

GenCore version 5.1.9
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OM protein - nucleic search, using frame_plus.p2n model

Run on: September 18, 2006, 01:17:09 / Search time 311 Seconds
(without alignments)
3059.353 Million cell updates/sec

Title: US-10-785-135-2
Perfect score: 1755
Sequence: 1 MKEAGQMNLASARARSYS.....RHCMQARLLAYRTGELHRS 339

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Xgapop 10.0, Xgapext 0.5
Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 1403666 seqs, 935554401 residues

Total number of hits satisfying chosen parameters: 2807332

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Maximum Match 10%
Listing first 45 summaries

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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Issued Patents NA:*

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- 2: /EMC Celerra_SIDS3/ptodata/2/ina/5 COMB.seq:*
- 3: /EMC Celerra_SIDS3/ptodata/2/ina/6A COMB.seq:*
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- 7: /EMC Celerra_SIDS3/ptodata/2/ina/7 COMB.seq:*
- 8: /EMC Celerra_SIDS3/ptodata/2/ina/7 COMB.seq:*
- 9: /EMC Celerra_SIDS3/ptodata/2/ina/7 COMB.seq:*
- 10: /EMC Celerra_SIDS3/ptodata/2/ina/7 COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1755	100.0	1017	3	US-09-802-371-3
2	1755	100.0	1585	3	US-09-802-371-1
3	767	43.7	1555	3	US-09-227-357-25
4	767	43.7	1555	3	US-09-973-278-37
5	640	36.5	489	3	US-09-513-999C-4059
6	586	33.4	477	3	US-09-621-976-132
7	119.5	6.8	5567	3	US-08-899-241-1
8	117.5	6.7	1092	3	US-09-902-540-9217

9	117.5	6.7	13234	3	US-09-902-540-986	Sequence 986, App
10	112.5	6.4	1032	3	US-09-710-279-1625	Sequence 1625, App
11	112.5	6.4	1032	3	US-09-710-279-1963	Sequence 1963, App
12	112.5	6.4	1053	3	US-09-134-001C-2313	Sequence 2313, App
13	112.5	6.4	3227	3	US-09-710-279-3688	Sequence 3688, App
14	112.5	6.4	3618	3	US-09-710-279-3387	Sequence 3387, App
15	110	6.3	1830121	3	US-09-557-884-1	Sequence 1, App1
16	110	6.3	1830121	3	US-09-643-990A-1	Sequence 1, App1
17	110	6.3	1830121	3	US-10-158-865-1	Sequence 1, App1
18	109.5	6.2	688	3	US-09-710-279-3241	Sequence 3241, App
19	109.5	6.2	2902	3	US-09-710-279-4170	Sequence 4170, App
20	106.5	6.1	566	5	US-09-974-300-592	Sequence 592, App
21	103	5.9	7588	3	US-08-956-171E-142	Sequence 142, App
22	103	5.9	7588	3	US-08-781-986A-142	Sequence 142, App
23	101	5.8	510	3	US-09-543-681A-364	Sequence 364, App
24	101	5.8	1644	3	US-09-252-991A-10161	Sequence 10161, App
25	99	5.6	807	3	US-09-252-991A-9914	Sequence 9914, App
26	99	5.6	1248	3	US-09-252-991A-10096	Sequence 10096, App
27	99	5.6	3453	3	US-09-023-655-1323	Sequence 1323, App
28	98.5	5.6	516	3	US-09-134-000C-341	Sequence 341, App
29	98.5	5.6	669	3	US-09-221-017B-288	Sequence 288, App
30	98.5	5.6	994	3	US-09-864-675-1	Sequence 1, App1
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32	98	5.6	258	3	US-09-134-001C-2273	Sequence 2273, App
33	98	5.6	4026	3	US-09-248-796A-471	Sequence 471, App
34	97.5	5.6	1351	3	US-09-221-017B-236	Sequence 236, App
35	97.5	5.6	5822	3	US-08-899-595-4	Sequence 4, App1
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38	97	5.5	1029	3	US-08-978-456-1	Sequence 1, App1
39	97	5.5	1029	3	US-09-369-700-1	Sequence 1, App1
40	97	5.5	2899	3	US-09-270-767-13753	Sequence 13753, App
41	97	5.5	3336	2	US-08-977-554-7	Sequence 7, App1
42	97	5.5	3336	3	US-08-978-456-7	Sequence 7, App1
43	97	5.5	3336	3	US-09-225-967-7	Sequence 7, App1
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45	97	5.5	3336	3	US-09-227-806-7	Sequence 7, App1

ALIGNMENTS

RESULT 1
US-09-802-371-3
Sequence 3, Application US/09802371
Patent No. 6723533
GENERAL INFORMATION:
APPLICANT: Meyers, Rachel
APPLICANT: Rudolph-Owen, Laura
TITLE OF INVENTION: 26934, A No. 6723533el Cytidine Deaminase-Like
FILE REFERENCE: 35800/213921
CURRENT APPLICATION NUMBER: US/09/802,371
CURRENT FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/186,294
PRIOR FILING DATE: 2000-03-10
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 1017
TYPE: DNA
ORGANISM: Homo sapiens
US-09-802-371-3

Alignment Scores:

Pred. No.: 8.56e-213
Score: 1755.00
Percent Similarity: 100.0%
Best Local Similarity: 100.0%
Query Match: 100.0%
DB: 3
Gaps: 0
Length: 1017
Matches: 339
Conservative: 0
Mismatch: 0
Indels: 0

US-10-785-135-2 (1-339) x US-09-802-371-3 (1-1017)

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 QY 21 ThrGlnThrGlySerMetThrGlyGlnIleProArgLeuSerIleValAsnLeuPheThr 40
 Db 61 ACCGAGCTGGCAGACATGACCGGTGATGCAAGGCTTTTCAAAAGTCMACCTTTTCACT 120
 QY 41 LeuLeuSerLeuTpmMetGlnLeuPheProAlaGluAlaGlnArgGlnIleValSerGlnLys 60
 Db 121 CTGCTCAGCTCTGAGATGAGCTCTTTTCCAGAGAGCCGCGGCAAAAATCTCAGAAA 180
 QY 61 AsnGluGluGlyLysIleGlyProLeuGlyAspAsnGluGlnArgIleValSerThr 80
 Db 181 AATGAGAGGGGAAAGCATGAGACCTTAGGAGATATGAAAGAGAGACCAAGATCTACT 240
 QY 81 AspLysArgGlnValLysArgThrGlyLeuValValLysAsnMetLysIleValGly 100
 Db 241 GACAAAAGACAGGTAAAGAGAACTGTCTTGTGTGTGAAAAAATGAAAAATTTGTGT 300
 QY 101 LeuHisCysSerSerGluAspLeuHisAlaGlyGlnIleAlaLeuIleLysHisGlySer 120
 Db 301 CTCACACTGTTTATGTAAGATTTACATGCCGCGAGATGCTCTTATTAACATGGGTCA 360
 QY 121 ArgLeuLysAsnCyAspLeuTyrPheSerArgLysProCysSerAlaCysLeuLysMet 140
 Db 361 AGCGTGAAGAACTGTGATCTTATTTTCCAGAAAACCATGCTGCTGTGTTGAAAATG 420
 QY 141 IleValAsnAlaGlyValAsnArgIleSerTyrTrpProAlaAspProGlnIleSerLeu 160
 Db 421 ATTGTAAATGTGAGATTACCGAATTCATATGCTGCTGTGATCCAGAAAATGATTTG 480
 QY 161 LeuThrGluAlaSerSerSerGluAspAlaLysLeuAspAlaLysAlaValGluArgLeu 180
 Db 481 CTTCAGAGAGCTTTTATGTTCTGAGAGATGCAAGTATGATGCAAGCAAGTGAAGAATG 540
 QY 181 LysSerAsnSerArgAlaHisValCysValLeuLeuGlnProLeuValCysTyrMetVal 200
 Db 541 AAGTCAAAACAGTCCGGCCCATGTGTGTCTTACTTCAACCTTTGTGTGTATATATG 600
 QY 201 GlnPheValGluGlnThrSerTyrLysCysAspPheIleGlnLysIleThrLysThrLeu 220
 Db 601 CAGTTTGAAGGAGACCTCTTACAAATGATGATTTATTCAAAATTAACAAAACATTTG 660
 QY 221 ProAspAlaAsnThrAspPheTyrTyrGlnCysLysGlnArgIleLysGluTyrGln 240
 Db 661 CCGAGTGTAACTGACTTTTATTAATGATGTAACAGAAAGATTAAGAAATATGAA 720
 QY 241 MetLeuPheLeuValSerAsnGluGlnMetHisLysGlnIleLeuMetThrIleGlyLeu 260
 Db 721 ATGTTATTTTGTGTTTCAATGAAGAAATGATTAAGCAATGATGATGATGATTTG 780
 QY 261 GluAsnLeuCysGluAsnProTyrPheSerAsnLeuArgIleAsnMetLysAspLeuIle 280
 Db 781 GAGAAACCTGTGTGAATTCATCTTTAGCAATCTTAAGCAAAAACATGAAGACCTTATC 840
 QY 281 LeuLeuLeuAlaThrValAlaSerSerValProAsnPheLysHisPheGlyPheTyrArg 300
 Db 841 CTACTTTTGGCCACAGTAGCTTCCAGTGTGCGAACTTTAAACATTCGAGTTTACGCT 900
 QY 301 SerAsnProGluGlnIleAsnGlnIleHisAsnGlnSerLeuProGlnGlnIleAlaArg 320
 Db 901 AGCAATCCAGAAACGATTAAGAAATTCACAAATGATTTGCAAGGAAATTTGCAAG 960
 QY 321 HisCysMetValGlnAlaArgLeuLeuAlaTyrArgThrGlyLysLeuHisArgSer 339
 Db 961 CACTGCAATGTTCAAGCCAGGCTTATTTGCAATTCGAACCTGTTGATTCATGATCG 1017

RESULT 2
 US-09-802-371-1
 ; Sequence 1, Application US/09802371
 ; Patent No. 6723533
 ; GENERAL INFORMATION:

APPLICANT: Meyers, Rachel
 APPLICANT: Rudolph-Owen, Laura
 TITLE OF INVENTION: 26934, A No. 6723533el Cytidine Deaminase-Like
 TITLE OF INVENTION: Molecule and Uses Thereof
 FILE REFERENCE: 35800/213921
 CURRENT APPLICATION NUMBER: US/09/802,371
 PRIOR FILING DATE: 2001-03-09
 PRIOR APPLICATION NUMBER: 60/188,294
 NUMBER OF SEQ. ID NOS: 4
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 1
 LENGTH: 1585
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (149) ... (1165)
 NAME/KEY: misc_feature
 LOCATION: (1) ... (1585)
 OTHER INFORMATION: n = A,T,C or G
 US-09-802-371-1

Alignment Scores:
 Pred. No.: 1.8e-212 Length: 1585
 Score: 1755.00 Matches: 339
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 100.0% Indels: 0
 DB: Gaps: 0

US-10-785-135-2 (1-339) x US-09-802-371-1 (1-1585)

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 QY 21 ThrGlnThrGlySerMetThrGlyGlnIleProArgLeuSerIleValAsnLeuPheThr 40
 Db 209 ACCGAGCTGGCAGACATGACCGGTGATGCAAGGCTTTTCAAAAGTCMACCTTTTCACT 268
 QY 41 LeuLeuSerLeuTpmMetGlnLeuPheProAlaGluAlaGlnArgGlnIleValSerGlnLys 60
 Db 269 CTGCTCAGCTCTGAGATGAGCTCTTTTCCAGAGAGCCGCGGCAAAAATCTCAGAAA 328
 QY 61 AsnGluGluGlyLysIleGlyProLeuGlyAspAsnGluGlnArgIleLysGluTyrGln 80
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 QY 81 AspLysArgGlnValLysArgThrGlyLeuValValLysAsnMetLysIleValGly 100
 Db 389 GACAAAAGACAGGTAAAGAGAACTGTGTGTGTGAAAAAATGAAAAATTTGTGT 448
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 QY 121 ArgLeuLysAsnCyAspLeuTyrPheSerArgLysProCysSerAlaCysLeuLysMet 140
 Db 509 AGCGTGAAGAACTGTGATCTTATTTTCCAGAAAACATGATCTGCTGTGTTGAAAATG 568
 QY 141 IleValAsnAlaGlyValAsnArgIleSerTyrTrpProAlaAspProGlnIleAlaArg 160
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 QY 161 LeuThrGluAlaSerSerSerGluAspAlaLysLeuAspAlaLysAlaValGluArgLeu 180
 Db 629 CTTCAGAGGCTTTCTAGTCTGAGAGATGCAAAATTTGATGATCCAAAGAGTGAAGAATG 688
 QY 181 LysSerAsnSerArgAlaHisValCysValLeuLeuGlnProLeuValCysTyrMetVal 200
 Db 689 AAGTCAAAACAGTCCGGCCCATGTGTGTCTTACTTCAACCTTTGTGTGTATATGATG 748

QY 201 GlnpheValGluGluThrserytyGysAspPheIleGlnIlyeThrlleThrlleThrlleu 220
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 QY 221 ProAspAlaAsnThrAspPheTyTyrGluCysIlyGlnIlyArgIleIlyGluTyTyrGlu 240
 DB 809 CCGGATGTACACGACGCTTTTATTTATGATGTAAACAGAAAGAAATTAATATAA 868
 QY 241 MetIeuPheIeuValSerAsnGluGluMetIlyGlnIleLeuMetThrIleGlyLeu 260
 DB 869 ATGTATATTTTGGTTTCAATGAAATGCAATAGCAATATCTATGATAGTTTG 928
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 DB 929 GAGAACCTGTGTGAAATCCATCTTATGCAATCAAGCAAAACNTAAAGACCTTATC 988
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RESULT 3

US-09-227-357-25

Sequence 25, Application US/09227357

Patent No. 6342581

GENERAL INFORMATION:

APPLICANT: Fischer et al.

TITLE OF INVENTION: 123 Human Secreted Proteins

FILE REFERENCE: P2010P1

CURRENT APPLICATION NUMBER: US/09/227,357

EARLIER APPLICATION NUMBER: PCT/US98/13684

EARLIER FILING DATE: 1998-07-07

EARLIER APPLICATION NUMBER: 60/051,926

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,793

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,925

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,929

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,803

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,732

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,931

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,932

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,916

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,930

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,918

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,920

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,733

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,795

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,919

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,928

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/055,722

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/055,722

EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,723
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,948
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,949
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,953
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 EARLIER APPLICATION NUMBER: 60/055,950
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,947
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 EARLIER APPLICATION NUMBER: 60/055,964
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/056,360
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,684
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,984
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,954
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/058,785
 EARLIER FILING DATE: 1997-09-12
 EARLIER APPLICATION NUMBER: 60/058,664
 EARLIER FILING DATE: 1997-09-12
 EARLIER APPLICATION NUMBER: 60/058,660
 EARLIER FILING DATE: 1997-09-12
 EARLIER APPLICATION NUMBER: 60/058,661
 EARLIER FILING DATE: 1997-09-12
 NUMBER OF SEQ ID NOS: 672
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 25
 LENGTH: 1555
 TYPE: DNA
 ORGANISM: Homo sapiens
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 NAME/KEY: SITE
 LOCATION: (1248)
 OTHER INFORMATION: n equals a,t,g, or c
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 LOCATION: (1389)
 OTHER INFORMATION: n equals a,t,g, or c
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 LOCATION: (1391)
 OTHER INFORMATION: n equals a,t,g, or c
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 NAME/KEY: SITE
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 LOCATION: (1396)
 OTHER INFORMATION: n equals a,t,g, or c
 FEATURE:
 NAME/KEY: SITE
 LOCATION: (1551)
 OTHER INFORMATION: n equals a,t,g, or c
 US-09-227-357-25

Alignment Scores:

Prod. No.: 6,87e-87 Length: 1555
 Score: 767.00 Matches: 195
 Percent Similarity: 41.1% Conservative: 13
 Best Local Similarity: 38.5% Mismatches: 31
 Query Match: 43.7% Indels: 267
 DB: 3 Gaps: 7

US-10-785-135-2 (1-339) x US-09-227-357-25 (1-1555)

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Db 68 GGCAGCATGACCGGTCAGATCCAGATCCAGATCTTCTAAAGTCACCTTTTCACTGCTCAGC 127
QY 44 LeuThrMetGlnLeuPheProAlaGlnAlaGlnArgGlnLysSerGlnLysAsnGlnGln 63
Db 128 CTCTGGATGGAGCTCTTTCAGACAGAGCCGAGGCAAAATCTCAGAAAATGAGAG 187
QY 64 GlyLysHisGlyProLeuGlyAspAsnGlnGlnValGlyThrArgValSerThrAspLysArg 83
Db 188 GGAAGACATGAGACCTTGAAGATATGAGAGAGACAGATCTTCTTCACTGACAAAAGA 247
QY 84 Gln----- 84
Db 248 CAGGATTCTGGAGACAGCTAAGATGCTTATATGAAGATTACCATCACTGCTGTTAG 307
QY 84 ----- 84
Db 308 GAAATGATATAGAACTCGAACAGAGGAAAGTGAATGCAACCGAGGAAACACTCT 367
QY 85 -----ValLysArg 87
Db 368 GATATGAGATTGAGGCTCTCAAAATGCTTTCAGACATAGCCACAGTGAAGTCAAGAGT 427
QY 88 Thr----- 88
Db 428 ACCAGGAGTGGATGAATGTTTATTGTTTAACTGAGACCTTTTAACTTCATCAATTAT 487
QY 89 -----GlyLeuValVal 93
Db 488 TTGAAGGTAGAACCTGTGGGCTCTCTTCTTATTTCTTCTGAGTACATCAACAA 547
QY 93 LlysAsnMetLysIleValGlyLeuHis----- 102
Db 548 AAAAATCTCTCCTAGCGAAATTAACATGACAGTACTAGCAAAAGGCTCTTTGTTATAA 607
QY 103 -CysSerSerGlnLeuPheHisAlaGlyGlnIleLeuLeuLysHis----- 118
Db 608 CTGTTTCAATTAATGACGAACATTTGTGTACTTAAGTATTAAGGACTTCATCAGCTTCA 667
QY 118 ----- 118
Db 668 ATTCAATACAAATTAATATATTTTTCACATTTGTTATCTGTTATGTTTCTCTTT 727
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Db 728 ACAAAATGCTGTTCGTATCTTTTGTCTCTTTAGGCTTATCTTGTCAATTCATAT 787
QY 119 ----GlySerArgLeuLys----- 123
Db 788 GTGCTTAATGAATTAATTTTCTGTATATTAACAATTAACCTTCTCTCTGCA 847
QY 123 ----- 123
Db 848 CACTGATGAAGAAATGATCTATTAAGTTGTTGTTGTTCTTAAATTTTGAAGCTTAA 907
QY 123 ----- 123
Db 908 AAAGTTAATATGCTTCAGACACATCCAAATCAATCAATGAATTTTTCATGTTAT 967
QY 123 ----- 123
Db 968 AAATTCCTTGTGACATATTTGATTAACGTTTTATATAGAGAGACCATATTAATCA 1027
QY 124 -----AspCys 125
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QY 125 sAspLeuLysThrSerArgLysProCysSerAlaCys----- 137

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QY 138 -----LeuLysMetIleValAsn----- 143
Db 1148 TATTTAGATATTTTCTAGATGATGATTTCTAGAGAAATTCAGTCTGTGAGAGAAC 1207
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QY 157 uIleSerLeuLeuThrGlnLysSerSerGlnAspAlaLysLeuAspAlaLysAlaVal 177
Db 1268 AATTAAGTTGCTTACGAGAGCTTTAGTTCTGAGAGATGCAAAAGTTAGATGCCAAAGAGT 1327
QY 177 GluArgLeuLysSerAsnSerArgAlaHisValCysValLeuLeuGlnProLeuValCys 197
Db 1328 GGAAGATGAGATGAGCAACAGTGGGCCCATGTGTGTTACTTCAACCTTGTGTGTG 1387
QY 197 sTyrMetValGlnPheValGlnGluThrSerTyrLysCysAspPheIleGlnLysIleTh 217
Db 1388 TTNANANGNCAGTTTGTAGAGAGACCTCTTCAAAATGCACTTATTCAAAAAATTAC 1447
QY 217 rLysThrLeuProAspAlaAsnThrAspPheTyrTyrGluCysLysGlnGluArgIleLys 237
Db 1448 AAAAATCTGCGGATCTTAACACTGACTTATTAATGATGTAAACAGAAAGATTA 1507
QY 237 sGluTyrGluMetLeu 242
Db 1508 AGAATATGAATGTTA 1523

RESULT 4
US-09-973-278-37
; Sequence 37, Application US/0973278
; Patent No. 6924354
; GENERAL INFORMATION:
; APPLICANT: Fiecher et al.
; TITLE OR INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P2
; CURRENT APPLICATION NUMBER: US/09/973, 278
; CURRENT FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: 60/239, 899
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 08/227, 357
; PRIOR FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: PCT/US98/13684
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/051, 926
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052, 793
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 925
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 929
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052, 803
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052, 732
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 931
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 932
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 916
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 930
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 918
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 920
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052, 733
; PRIOR FILING DATE: 1997-07-08

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PRIOR APPLICATION NUMBER: 60/052,795
 PRIOR FILING DATE: 1997-07-08
 PRIOR APPLICATION NUMBER: 60/051,919
 PRIOR FILING DATE: 1997-07-08
 PRIOR APPLICATION NUMBER: 60/051,928
 PRIOR FILING DATE: 1997-07-08
 PRIOR APPLICATION NUMBER: 60/055,722
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/055,723
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/055,948
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/055,949
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/055,953
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/055,950
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/055,947
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/055,964
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/056,360
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/055,684
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/055,984
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/055,954
 PRIOR FILING DATE: 1997-08-18
 PRIOR APPLICATION NUMBER: 60/058,785
 PRIOR FILING DATE: 1997-09-12
 PRIOR APPLICATION NUMBER: 60/058,664
 PRIOR FILING DATE: 1997-09-12
 PRIOR APPLICATION NUMBER: 60/058,660
 PRIOR FILING DATE: 1997-09-12
 PRIOR APPLICATION NUMBER: 60/058,661
 PRIOR FILING DATE: 1997-09-12
 NUMBER OF SEQ ID NOS: 947
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 37
 LENGTH: 1555
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1248)..(1248)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (1389)..(1389)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (1391)..(1391)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (1393)..(1393)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (1396)..(1396)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (1551)..(1551)
 OTHER INFORMATION: n equals a,t,g, or c
 US-09-973-278-37

Alignment Scores:

Pred. No.: 6,87e-87 Length: 1555
 Score: 767.00 Matches: 195
 Percent Similarity: 41.1% Conservative: 13
 Best Local Similarity: 38.5% Mismatches: 31
 Query Match: 43.7% Indels: 267
 DB: 3 Gaps: 7

US-10-785-135-2 (1-339) x US-09-973-278-37 (1-1555)
 QY 4 AlaGlyGlnMetGlnMetGlnSerAlaArgSerValSerThrGlnThr 23
 Db 8 GCTGGGAGATGCAAAATCTGAGAGCGAGCGCGGTCAGTCAGACCAAGACT 67
 QY 24 GlySerMetThrGlnGlnLeuProAlaGlnLeuSerValMetLeuSer 43
 Db 68 GGCAGCATGACCGGTGATGATGATGATGATGATGATGATGATGATGATGAT 127
 QY 44 LeuThrMetGlnLeuProAlaGlnLeuSerValMetLeuSerValMetLeuSer 63
 Db 128 CTCTGATGAGCTCTCTTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 187
 QY 64 GlyLeuHisGlyProLeuGlnLeuSerValMetLeuSerValMetLeuSer 83
 Db 188 GGAAGCATGACCTTAGAGATGATGATGATGATGATGATGATGATGATGATGAT 247
 QY 84 Gln----- 84
 Db 248 CAGATTAATGAGGAG 307
 QY 84 ----- 84
 Db 308 GAATGATTAATGAG 367
 QY 85 -----ValLeuArg 87
 Db 368 GATATGAGTTTGAAGGCTTCAAAATGCTTTCAGATGAGAGAGAGAGAGAGAGAG 427
 QY 88 Thr----- 88
 Db 428 ACCAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 487
 QY 89 -----GlyLeuValVal-Va 93
 Db 488 TTGAAGGTGAGAACTCTGTGGCTCTCTTCTATTTCTTCTGTGTATACAA 547
 QY 93 IlyAsnMetLysIleValGlyLeuHis----- 102
 Db 548 AAAAAATCTCTCTAGCTGAAATTAATGATGATGATGATGATGATGATGATGAT 607
 QY 103 -CysSerSerGlnAspLeuHisAlaGlyGlnLeuSerValMetLeuSer 118
 Db 608 CTCTTCAATTAATGAG 667
 QY 118 ----- 118
 Db 668 ATTCAAAATGAG 727
 QY 118 ----- 118
 Db 728 ACAATTTGCTGTGATCTTTTGTCTCTTTAGGCTTATCTTGTCAATTCATAT 787
 QY 119 ---GlySerArgLeuLys----- 123
 Db 788 GTGCTTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 847
 QY 123 ----- 123
 Db 848 CACTGATGAG 907
 QY 123 ----- 123
 Db 908 AAAGTTAATTTGCTTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 967
 QY 123 ----- 123
 Db 968 AATTTCTTGTGAGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1027
 QY 124 -----AsnCy 125
 Db 1028 ACATTCCTCCATTTTGTGATTAATTAATTAATTAATTAATTAATTAATTAATTA 1087

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Qy 125 sAspleuTyRpheserArglySProCyseSerAlaCyS----- 137
Db 1088 CTTGCTGCTGATTTTAAAGATGCTGCACTAAATGTAATGCTTGATTTCTTCTG 1147
Qy 138 -----LeuLysMetIleValAsn----- 143
Db 1148 TATTAGAAATTTTCTAGAGATGATTTCTCAGAGAAATTTCTGAGAGAGAAC 1207
Qy 144 -----AlaGlyValAsnArgIleSerTyRTPProAlaAspProG1 157
Db 1208 ATTTTAAATGATGAGAGAGCTGAGAGTACCGAATTTCAACACGCCCTGCTGATCCGA 1267
Qy 157 uileSerleuLeuThrgIuAlaSerSerSerGluAspAlaLysleuAspAlaLysAlaVa 177
Db 1268 AATAAGTTTGTCTACGAGGCTTCTAGATTCTGAGATGCAAGATTAGTCCAAAGCAGT 1327
Qy 177 lGluArgleuLysSerAsnSerArgAlaHisValCysValleuLeuGlnProleuValCy 197
Db 1328 GGAAGATTTGAAGCAACACGCTGGCCCATGTGTCTTACTTCAACCTTTGGGTG 1387
Qy 197 styMetValGlnPheValGluGluThrSerTyRlySAspPheIleGlnLysIleTh 217
Db 1388 TNAANAGNGAGAGCTTTGAGAGACCTTTACAAATGTACTTATTTCAAAAAATTAC 1447
Qy 217 rLysThrleuProAspAlaAsnThrAspPheTyRlyGluCysLysGlnGluArgIleLy 237
Db 1448 AAAAACAATTCGCGATGCTTAACACTGACTTATATGATGTAACAGAAAGAAATPAA 1507
Qy 237 sGluTyRGlumetleu 242
Db 1508 AGAATATGAAATGTTA 1523

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RESULT 5

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US-09-513-999C-4059
/ Sequence 4059, Application US/09513999C
/ Patent No. 6783961
/ GENERAL INFORMATION:
/ APPLICANT: Dumas Milne Edwards, J.B.
/ APPLICANT: Duclet, A.
/ APPLICANT: Giordano, J.Y.
/ TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
/ Patent No. 6783961
/ FILE REFERENCE: 59, US2, REG
/ CURRENT APPLICATION NUMBER: US/09/513, 999C
/ CURRENT FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/122,487
/ PRIOR FILING DATE: 1999-02-26
/ NUMBER OF SEQ ID NOS: 36681
/ SOFTWARE: Patent.pm
/ SEQ ID NO 4059
/ LENGTH: 489
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 98..460
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 458
/ OTHER INFORMATION: raa or g
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 121
/ OTHER INFORMATION: Xaa-Gly or Ser
US-09-513-999C-4059

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Alignment Scores:
Pred. No.: 1,38e-71
Score: 640.00
Percent Similarity: 99.2%
Best Local Similarity: 99.2%
Query Match: 36.5%
Length: 489
Matches: 130
Conservative: 0
Mismatch: 1
Indels: 1

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DB: 3 Gaps: 0
US-10-785-135-2 (1-339) x US-09-513-999C-4059 (1-489)
Qy 1 MetLysGluAlaGlyGlnMetGlnAsnLeuGluSerAlaArgAlaGlyArgSerValSer 20
Db 98 ATGAAAGAGCTGGGCGAGATGCAAAATCTGAGAGCCGAGGCGGCGGTCACTGACG 157
Qy 21 ThrGlnThrGlySerMetThrGlyGlnIleProArgLeuSerLysValAsnLeuPheThr 40
Db 158 ACCGAGCTGGCAGCATGACCGGTCAAGATACCAAGCTTTCTAAAGTCAACCTTTTCACT 217
Qy 41 LeuLeuSerleuThrPheGluLeuPheProAlaGluAlaGlnArgGlnLysSerGlnLys 60
Db 218 CTGCTGACCTTCGAGATGAGGCTCTTTCAGCAGAACCCAGCGGCAAAAATCTCAGAA 277
Qy 61 AsnGluGluGlyLysHisGlyProLeuGlyAspAsnGluGluArgThrArgValSerThr 80
Db 278 AATGAAAGGGAAGAGCATGSAACCTTTAGAGATATATGAAGAGAGACCAAGATTTCTACT 337
Qy 81 AspLysArgGlnValLysArgThrGlyLeuValAlaLysAsnMetLysIleValGly 100
Db 338 GACAAAGACAGGTAAAGAGAACTGGCTGTGTGTGTAAGAAACATGAAATTTGTGT 397
Qy 101 LeuHisCysSerSerGluAspLeuHisAlaGlyGlnIleAlaLeuIleLysHisGlySer 120
Db 398 CTCACGTTCTAGTGAAGATTACATGCGGCGCAGATTGCTCTTATTAACATGGGTCA 457
Qy 121 ArgLeuLysAsnCyseAspleuTyRpheserArg 131
Db 458 RG-CTGAAAAACTGTGATCTTTATTTTCCAGA 489

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RESULT 6

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US-09-621-976-132
/ Sequence 132, Application US/09621976
/ Patent No. 6639063
/ GENERAL INFORMATION:
/ APPLICANT: Dumas Milne Edwards, J.B.
/ APPLICANT: Jobert, S.
/ APPLICANT: Giordano, J.Y.
/ TITLE OF INVENTION: ESTs and Encoded Human Proteins.
/ FILE REFERENCE: GENSET, 054PR2
/ CURRENT APPLICATION NUMBER: US/09/621, 976
/ CURRENT FILING DATE: 2000-07-21
/ NUMBER OF SEQ ID NOS: 19335
/ SOFTWARE: Patent.pm
/ SEQ ID NO 132
/ LENGTH: 477
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 124..477
/ NAME/KEY: sig_peptide
/ LOCATION: 124..273
/ OTHER INFORMATION: Von Heijne matrix
/ OTHER INFORMATION: score 6
/ OTHER INFORMATION: seq LFTLLSIMELFP/AE
/ NAME/KEY: misc_feature
/ LOCATION: 394
/ OTHER INFORMATION: n=a, g, c or t
US-09-621-976-132

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Alignment Scores:
Pred. No.: 9,71e-65
Score: 585.00
Percent Similarity: 98.3%
Best Local Similarity: 98.3%
Query Match: 33.4%
DB: 3 Gaps: 0
Length: 477
Matches: 116
Conservative: 0
Mismatch: 2
Indels: 0
Gaps: 0

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US-10-785-135-2 (1-339) x US-09-621-976-132 (1-477)

QY 1 MetlySGluAlaGlyGlnMetGlnAsnLeuGluSerAlaArgAlaGlyArgSerValSer 20
DB 124 ATGAAGAAGCTGGGCAATGSAATAATCTGGAGACCGGAGGCGGCGGCTCACTGAC 183
QY 21 ThrGlnThrGlySerMetThrGlyGlnLeuProArgLeuSerLeuValAsnLeuPheThr 40
DB 184 ACCGAGATGGGAGATACCGGCTGATCCAGATCCAGGCTTTCTTAAGTCAACTTTTCACT 243
QY 41 LeuLeuSerLeuTrpMetGlnLeuPheProAlaGluAlaGlnArgGlnLysSerGlnLys 60
DB 244 CTGCTCAAGCTCTGTGATGAGAGCTTTTCCAGAGAACCCGAGCCGCAAAATCTCAGAAA 303
QY 61 AsnGluGluGlyLysHisGlyProLeuGlyAspAsnGluGluArgThrArgValSerThr 80
DB 304 AATGAAGAGGAGAAACATGAGACCTTACGAGATTAATGAAGAGAGACAGAGATCTACT 363
QY 81 AspLysArgGlnValLysArgThrGlyLeuValValLysAsnMetLysIleValGly 100
DB 364 GACAAAGACAGGTAAAGAACTGCTTTTGTGCGTGAATAAATGTTGCTGCT 423
QY 101 LeuHisCysSerSerGluAspLeuHisAlaGlyGlnIleAlaLeuIleLysHis 118
DB 424 CTCACGCTTCTTAAGAGATTTACATGCGGAGATTTGCTTTATTAACAT 477
RESULT 7
US-08-899-241-1
Sequence 1, Application US/0889241A
Patent No. 632295
GENERAL INFORMATION:
APPLICANT: Hohmann, Hans-Peter
APPLICANT: Humbel, Markus
APPLICANT: van Loon, Adolphus
APPLICANT: Schuster, Walter
TITLE OF INVENTION: Improved Riboflavin Production
FILE REFERENCE: Improved Riboflavin Prod
CURRENT APPLICATION NUMBER: US/08/899,241A
EARLIER FILING DATE: 1997-07-23
EARLIER APPLICATION NUMBER: 96111905.4
NUMBER OF SEQ ID NOS: 252
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 5567
TYPE: DNA
ORGANISM: Bacillus subtilis
US-08-899-241-1
Alignment Scores:
Pred. No.: 0.00119 Length: 5567
Score: 119.50 Matches: 33
Percent Similarity: 48.6% Conservative: 19
Best Local Similarity: 30.8% Mismatches: 40
Query Match: 6.8% Indels: 15
DB: 3 Gaps: 3
US-10-785-135-2 (1-339) x US-08-899-241-1 (1-5567)
QY 89 GlyLeuValValLysAsnMetLysIleValGlyLeu-----HisCysSerSerGlu 106
DB 1179 GGCGCTGTGCTGTAAGAGACGACCAATGTGGAATGGCGCGCCATTTAAATATGCT 1238
QY 107 AspLeuHisAlaGlyGlnIleAlaLeuIleLysHisGlySerArgLeuLysAsnCysAsp 126
DB 1239 GAAGCTCATGAGAGATTCATGCTCATATGCTGAGACATGACAGAGGTGCGGAC 1298
QY 127 LeuTrpPheSerArgLysProCysSer-----AlaCysLeuLysMet 140
DB 1299 ATTATACCTTACACTGCAACCTGTGAGCCATTACGAAAAACACCGCCATGTGCAAAATG 1358
QY 141 IleValAsnAlaGlyValAsnArgIleSerTrpProAlaAspProGlu----- 157
DB 1359 ATTATCACTCTGTATCAAAAGAGTGTCTGCGAGTGAAGATCTTAATCCGCTTGTG 1418

QY 158 -----IleSerLeuLeuThrGluAlaSerSerSerGluAspAlaLysLeuAsp 173
DB 1419 GCTGGAAGAGGATACAGCATGATAAAGAGCTGGCATTTGAGTGAAGAAAGCATCTGT 1478
QY 174 AlaLysAlaValGluArgLeu 180
DB 1479 GCAGACCAAGCGGAGAGGCTG 1499
RESULT 8
US-09-902-540-9217
Sequence 9217, Application US/09902540
Patent No. 683347
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
PRIOR FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 9217
LENGTH: 1092
TYPE: DNA
ORGANISM: Myxococcus xanthus
US-09-902-540-9217
Alignment Scores:
Pred. No.: 0.00014 Length: 1092
Score: 117.50 Matches: 35
Percent Similarity: 45.9% Conservative: 16
Best Local Similarity: 31.5% Mismatches: 37
Query Match: 6.7% Indels: 23
DB: 3 Gaps: 4
US-10-785-135-2 (1-339) x US-09-902-540-9217 (1-1092)
QY 89 GlyLeuValValLysAsnMetLysIleVal-----GlyLeuHisCysSerSerGlu 106
DB 85 GGCGCTGTGCTGTAAGAGACGCGGCGCATGATCGCGCGCTACCAAGAAAGCGGCGC 144
QY 107 AspLeuHisAlaGlyGlnIleAlaLeuIleLysHisGlySerArgLeuLysAsnCysAsp 126
DB 145 AGCGGCACTCGAGAGTGTGCGGCTGAGAGCGCGGCTGCGCGCAAGGCGCGGAC 204
QY 127 LeuTrpPheSerArgLysProCysSer-----AlaCysLeuLysMet 140
DB 205 CTCTACACCAAGCTGTGAGCGGCTGCAACACTACGGGCGTACCCCGCTGACGATGCGC 264
QY 141 IleValAsnAlaGlyValAsnArgIleSerTrpProAlaAspProGluIleSerLeu 160
DB 265 ATCATGAGCGGCGGCTGCGCGGCTGATGCGCGCTGCGGAGACCC----- 312
QY 161 LeuThrGluAlaSerSerSerGluAspAlaLysLeuAspAlaLysAlaValGluArgLeu 180
DB 313 -----AACCGAAGGTGAGCGCAAGGCGGTGCGGATG 348
QY 181 LysSerAsnSerArgAlaHisValCysValLeu 191
DB 349 CGG-----CGCGCGGCTCAAGGTCTC 372
RESULT 9
US-09-902-540-986
Sequence 986, Application US/09902540
Patent No. 683347
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.

TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
 FILE REFERENCE: 38-10(15849)B
 CURRENT APPLICATION NUMBER: US/09/902,540
 CURRENT FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: 60/217,883
 PRIOR FILING DATE: 2000-07-10
 NUMBER OF SEQ ID NOS: 16825
 SEQ ID NO 986
 LENGTH: 13234
 TYPE: DNA
 ORGANISM: Myxococcus xanthus
 FEATURE:
 NAME/KEY: unsure
 LOCATION: (1)..(13234)
 OTHER INFORMATION: unsure at all n locations
 US-09-902-540-986

Alignment Scores:
 Pred. No.: 0.00908 Length: 13234
 Score: 117.50 Matches: 45
 Percent Similarity: 41.8% Conservative: 19
 Best Local Similarity: 29.4% Mismatches: 48
 Query Match: 6.7% Indels: 42
 Gaps: 6

US-10-785-135-2 (1-339) x US-09-902-540-986 (1-13234)

65 LysHisGlyProLeuGlyAspAsnGluGluArgThr----- 76
 453 CGACACGGGCGCCCGGCGGAGAGCGGCGGAGCTTGCACCGGCGGTGGCTGAGTTCT 512
 77 -----ArgValSerThrAspIysArgGlnValIysArgThr----- 88
 513 TCATGCGCATCGCGCTGGAGAGACCGGCGCAAGGCGC-CTGGGCGCCACAGCCCAACCC 571
 89 -----GlyLeuValValIysAsnMetIysIleVal-----GlyLeuHisCysSer 104
 572 GTCTGTGGCGCGCGCTGTGTGAAGCGGCGGCGCATCATCGCCCGCGGTACCAAGAG 631
 105 SerGluAspLeuHisAlaGlyGlnIleAlaLeuIleLysHisGlySerArgLeuLysAsn 124
 632 GCGGCGACCGGCGCATCGGAGGTGTGCGCTGGAAGCGCGCGGTGCGCGGCGCAAGGC 691
 125 CysAspLeuIysPheSerArgLysProCysSer-----AlaCysLeu 138
 692 GCGGACCTCTACACCAAGCTGAGCGCGGCGACCACTACGCGCGGTACCCCGCTGAGC 751
 139 LysMetIleValAsnAlaGlyValAsnArgIleSerIysTrpProAlaAspProGluIle 158
 752 ATGGCCATCATCGAGCGGCGGCGGTCTGCGCTGCGGTGCGGCGGAGCCC----- 805
 159 SerLeuLeuThrGluAlaSerSerSerGluAspAlaLysLeuAspAlaLysAlaValGlu 178
 806 -----AACCGAAGGTGAGCGGAGCGGAGCGGTGCG 835
 179 ArgLeuLysSerAsnSerArgAlaHisValLysValLeu 191
 836 CGGATGCGG-----CGCGCGCGCTCAAGGTCTTC 865

RESULT 10
 US-09-710-279-1625
 Sequence 1625, Application US/09710279
 Patent No. 6703492
 GENERAL INFORMATION:
 APPLICANT: KIMBERLY, WILLIAM JOHN
 TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
 FILE REFERENCE: PUS480US
 CURRENT APPLICATION NUMBER: US/09/710,279
 CURRENT FILING DATE: 2000-11-09
 PRIOR APPLICATION NUMBER: 60/164,258
 PRIOR FILING DATE: 1999-11-09
 NUMBER OF SEQ ID NOS: 4472
 SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 1625
 LENGTH: 1032
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: synthetic
 OTHER INFORMATION: nucleic acid sequence
 US-09-710-279-1625

Alignment Scores:
 Pred. No.: 0.00549 Length: 1032
 Score: 112.50 Matches: 55
 Percent Similarity: 41.3% Conservative: 40
 Best Local Similarity: 23.9% Mismatches: 97
 Query Match: 6.4% Indels: 38
 Gaps: 9

US-10-785-135-2 (1-339) x US-09-710-279-1625 (1-1032)

89 GlyLeuValValIysAsnMetLysIleValIleLeu-----HisCysSerSerGlu 106
 64 GGAATCGTTGTTGTAAACCGTAGAGATTGATTAGTGCACATTAAAAAGGA 123
 107 AspLeuHisAlaGlyGlnIleAlaLeuIleLysHisGlySerArgLeuLysAsnCysAsp 126
 124 GATTAACATCCCAAGTACAGCTATTGAAATGGCAGGTTAAATACCAAGGTCTACC 183
 127 LeuIysPheSerArgLysProCysSer-----AlaCysLeuLysMet 140
 184 ATATACGTTTCATTAAGCTTGCACACCATGATTCAACACCACTGTGTGTCATATA 243
 141 IleValAsnAlaGlyValAsnArgIleSerIysTrpProAlaAspProGluIleSerLeu 160
 244 ATCATTCAGACCGGCGCATATCTAAGTCATCTAGCTGTGTTAAAT----- 288
 161 LeuThrGluAlaSerSerSerGluAspAlaLysLeuAspAlaLysAlaValGluArgLeu 180
 289 ACTACTTTTACTTAAGTAAAGGTGACGAGATTTCTGAGAGAACTGTATAGAGTTGAATT 348
 181 LysSerAsnSerArgAlaHisValCysValLeuLeuGlnProLeuValCysTyrMetVal 200
 349 CAATATATATGAAATGCA-----GCTGATTAATACCGTGAC 384
 201 GluPheValGluGluThrSerIysCysAspPheIleGlnIysIleThrLysThrLeu 220
 385 TTTTCTTACTGCTTAAAGAAAGCAAGTTCAGAGTAACTGTAAAGGTCTATCTAGCTTA 444
 221 ProAspAlaAsnThrAspPheIysIysCysIleGlnGluArgIleLysGluIysGlu 240
 445 GATGCTTAACACACACACTTATGAAAGTAAAGTAAAGTAAACAAAGAAAGTTAAA 504
 240 uMetLeuPheLeuValSerGlnGluMetHisLysGlnIleLeuMetThrIleGlyLe 260
 505 GAAGATGTTTATC-----ATTAAAGCATGACATGATCAGTTATTA---CTGGGCGCT 555
 260 uGluAsnLeu-----CysGluAsnProTyrPheSerSerLeuArgGlnAs 275
 556 AGAACATTTAGACAGCAATCATTTGTATATACCAACGAGGTTTC-----CTGATGAAAG 609
 275 nMetLysAspLeuIleLeuLeuAlaThrValAlaSerSerValProAsn----- 292
 610 CATCCGATTCGAGTTATCTTTCTTAAGAAAGTCACTGATTTTATCAACAAATATT 669
 293 -----PheLysHisPheGlyPhe 298
 670 AAAGATACGTCATCGAGATATGATTT 697

RESULT 11
 US-09-710-279-1963
 Sequence 1963, Application US/09710279
 Patent No. 6703492
 GENERAL INFORMATION:
 APPLICANT: KIMBERLY, WILLIAM JOHN


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QY      82  LysaIrgInValIySaGrThngIyLeuValIyValIySaenMeTyIleValIyLeu 101
Db      2632  -----GTTGTTTAAAGGAGATTTGATGTTTAA 2600
QY      102  -----HISCySerSerGluAspLeuHISaIaGlyGlnIleAlaLeuIleLysHISGly 119
Db      2599  GGTGCACATTTTAAAGGAGATTTAAACATGCGCAAGTACCAAGTATTTGAAGTGGCAGGT 2540
QY      120  SerArgLeuYsaenCyAspLeuTyPheSerArgLysProCySer----- 135
Db      2539  TTAATATCCCAAGGTGCTACCATTTACCTTTCAATTAGACCTTGACACACCATGTTCA 2480
QY      136  -----AlaCyLeuLeuYMeTlleValaSnIaGlyValaSnArgIleSerTyTTPPro 153
Db      2479  ACACCACTTGTTGTGTCATTAATATCATGAAACGGGACATATCTAAGTCATCATGCTGTT 2420
QY      154  AlaAspProGluIleSerLeuLeuThrGluAlaSerSerSerGluAspAlaLysLeuAsp 173
Db      2419  AAAAGAT-----ACTACTTTAGTAAAGTAAAGGCTGACGAGATTCTGAGAGAA 2375
QY      174  AlaLysAlaValIyIaGrLeuYSerSaenSerArgAlaHISValIyValIleuGln 193
Db      2374  GCTGCTATGAGGTGTAATTTCAATATTAATGAAATGCA----- 2336
QY      194  ProLeuValCyTyMetValGlnPheValGlnIuThrSerTyLysCyAspPheIle 213
Db      2335  ---GCTGCATTAATACCGTGAACCTTTTAACTGCTAAAGAAAGAAAGTTCAGAACTACT 2279
QY      214  GlnIyIleThrIyThrLeuProAspAlaAsnThrAspPheTyTyTyrGluCyLysGln 233
Db      2278  GTAAAGGCTTCATCTAGTCTAGATGTAACAGCAACAGACTTAAATGAAAGTAACTGG 2219
QY      234  GlnIyIleYsgIuTyrgIuMeTllePheLeuValSerSngIuGlnMeTlleYsgI 253
Db      2218  ATACCAACCAAGAGATTTAAAGAGATGTTATC-----AATTAAACATGAGCATGAT 2165
QY      253  nIleLeuMeTThrIleGlyLeuGlnAsnLeu-----CySgluAsnProTy 268
Db      2164  GCAGTTATTA---CTGGCGGTAGAGAACCATTTGAGACACATCCATTTATACAAACGAG 2108
QY      268  rPheSerAsnLeuArgIuInMeTlleYsaPheIleLeuLeuLeuAlaHrValaIase 288
Db      2107  GTTC-----CTGATGAAAGCATCCGATTCGATTTCTTTCTTAAGAAAGTCAACTC 2054
QY      288  rSerValProAsn-----PheLysHISpHeGlyPhe 298
Db      2053  GATTTAATCAACAAATTTTAAAGATATCTGCATCGAGATATGATTT 2005

RESULT 15
US-09-557-884-1
; Sequence 1, Application US/09557884
; Patent No. 6506581
; GENERAL INFORMATION:
; APPLICANT: Fleischmann et al.
; TITLE OF INVENTION: The Nucleotide sequence of
; the Haemophilus influenzae Rd Genome, Fragments
; Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3 1/2 inch diskette
; COMPUTER: Dell Pentium
; OPERATING SYSTEM: MS DOS V6.22
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/557,884

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; FILING DATE: 25-Apr-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/476,102
; FILING DATE: JUN-5-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB186P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1830121 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-557-884-1

Alignment Scores:
Pred. No.: 312 Length: 1830121
Score: 110.00 Matches: 49
Percent Similarity: 37.8% Conservative: 35
Best Local Similarity: 22.1% Mismatches: 77
Query Match: 6.3% Indels: 62
DB: Gaps: 9

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QY      89  GlyLeuValIyValIySaenMeTyIleValIy-----GlyLeuHISCySerSerGln 106
Db      1002864  GATGCGGTATGTTGTTTAAATGTTGAATGTTGGGGAGGGCTTTCATTTTAAAGCAGCA 1002923
QY      107  AspLeuHISaIaGlyGlnIleAlaLeuIleLysHISGlySerArgLeuYsaenCyAsp 126
Db      1002924  CAACCTCATGCTGAACCGCTGCTTAACTCAAGCTGTGAATAATGCTTAAAGAGCAACC 1002983
QY      127  LeuTyPheSerArgLysProCySer-----AlaCyLeuYMeT 140
Db      1002984  GCTTACGTCACTTATGAGCTTCCTGCTCATTAATGTCGACACACACTTGTGATTAAGA 1003043
QY      141  IleValaSnIaGlyValaSnArgIleSerTyTTPProAlaAspProGlu----- 157
Db      1003044  TTAATTGAGCGCGGCGCTAGTGAAGTCATTGCGGCTATGCAAGATCCCAATCTCAAGTC 1003103
QY      158  -----IleSerLeuLeuThrGluAlaSerSerSerGluAspAlaLysLeuAsp 173
Db      1003104  GCAGGAAAGGTTTGAATAATGTTGCTGATGCCGATACGAAAGTACGCTGAATTTATTTG 1003163
QY      174  AlaLysAlaValIyIuGrLeuYSerSaenSerArgAlaHISValIyValIleuGln 193
Db      1003164  AACGATCAAGCGGAAATAATAAAGT----- 1003193
QY      194  ProLeuValCyTyMetValGlnPheValGlnIuThrSerTyLysCyAspPheIle 213
Db      1003194  -----TTTTTAAAGCAATCGTCAAGTATGCTTTGTT 1003229
QY      214  Gln---LysIleThrIyThrLeu----- 220
Db      1003230  CAACCTAAACTTGCCATGATGATGACGAACTGCAATGCAATGCAAGTGAAGTAA 1003289
QY      221  -----ProAspAlaAsnThrAspPheTyTyTyrGluCyLysGlnIuArgIle 236
Db      1003290  TGGATTACGGGCCCATGCTCTGTCGACG--TACAAAAATTCACAGCA----- 1003338
QY      237  LysGluTyrgIuMeTllePheLeuValSerSngIuGlnMeTlleYsgI-----GlnIleu 255
Db      1003339  ---AATCATCCGACATTTATCTACTTCCAAACAGTCAATTCGAGATGATCCAAAGCTTA 1003395
QY      256  MetThrIleGlyLeuCluAsnLeuCySgluAsnProTyPheSerAsnLeuArgIuAsn 275

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Db 1003396 ATGTACGCTGGGACGAAT-----TTCTGAAAAATCTTAAAAAGAGAT 1003437

Qy 276 MetLys 277
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Db 1003438 ATAAA 1003443

Search completed: September 18, 2006, 01:53:51
Job time : 951 secs

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: September 16, 2006, 19:16:22; Search time 50 Seconds
(without alignments)
593.458 Million cell updates/sec

Title: US-10-785-135-2

Perfect score: 1755
Sequence: 1 MKEAGOMNLSARAGRSVS.....RHCVQARLLAYRTGLHRS 339

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Issued Patents AA:*
1: /EMC_Celerra_SIDS3/ptodata/2/1aa/5_COMB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/1aa/6_COMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/1aa/7_COMB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/1aa/H_COMB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/1aa/PCNUS_COMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/1aa/RE_COMB.pep:*
7: /EMC_Celerra_SIDS3/ptodata/2/1aa/backfiles.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1755	100.0	339	2	US-09-802-371-2
2	607	34.6	121	2	US-09-513-999C-8136
3	586	33.4	118	2	US-09-621-976-3992
4	305	17.4	77	2	US-09-973-278-177
5	305	17.4	78	2	US-09-227-357-164
6	109	6.2	230	2	US-09-710-279-3242
7	109	6.2	343	2	US-09-710-279-1626
8	109	6.2	343	2	US-09-710-279-1964
9	109	6.2	350	2	US-09-134-001C-5150
10	107.5	6.1	297	2	US-09-068-195-12
11	105	6.0	24	2	US-09-227-357-347
12	105	6.0	24	2	US-09-973-278-383
13	98.5	5.6	171	2	US-09-134-000C-3746
14	98.5	5.6	1244	2	US-09-543-681A-6274
15	98	5.6	547	2	US-09-252-991A-26732
16	98	5.6	1341	2	US-09-248-796A-19074
17	97.5	5.5	1315	2	US-08-899-595-3
18	97	5.5	169	2	US-09-543-681A-4536
19	97	5.5	264	2	US-09-543-681A-6332
20	97	5.5	342	2	US-08-978-456-2
21	97	5.5	342	2	US-09-369-700-2
22	97	5.5	747	2	US-09-270-767-45323
23	96	5.5	178	1	US-08-370-975B-14
24	94.5	5.4	451	1	US-08-154-365-2
25	93	5.3	407	2	US-09-614-912-78
26	93	5.3	912	2	US-09-134-001C-2993

ALIGNMENTS

27	93	5.3	915	2	US-09-949-016-7425	Sequence 7425, Ap
28	93	5.3	957	2	US-09-914-259-16	Sequence 16, Appl
29	92	5.2	390	3	US-10-162-335-82	Sequence 82, Appl
30	92	5.2	956	2	US-09-914-259-17	Sequence 17, Appl
31	91.5	5.2	154	2	US-09-134-001C-3635	Sequence 3635, Ap
32	91.5	5.2	387	2	US-09-107-532A-5675	Sequence 5675, Ap
33	91.5	5.2	407	2	US-09-270-767-43967	Sequence 43967, A
34	91.5	5.2	601	2	US-10-104-047-2566	Sequence 2566, Ap
35	90.5	5.2	139	2	US-09-902-540-13548	Sequence 13548, A
36	90.5	5.2	173	2	US-09-134-001C-5264	Sequence 5264, Ap
37	90.5	5.2	331	2	US-09-270-767-41873	Sequence 41873, A
38	90.5	5.2	928	2	US-09-438-185A-295	Sequence 295, Appl
39	90.5	5.2	1506	2	US-10-142-650-4	Sequence 4, Appl1
40	90.5	5.2	1706	1	US-08-459-568-2	Sequence 2, Appl1
41	90.5	5.2	1706	1	US-08-399-411-2	Sequence 2, Appl1
42	90.5	5.2	1706	2	US-08-516-859A-2	Sequence 2, Appl1
43	90.5	5.2	1706	2	US-09-586-472-2	Sequence 2, Appl1
44	90.5	5.2	1706	2	US-09-528-706-2	Sequence 2, Appl1
45	90.5	5.2	1706	2	US-10-024-450-2	Sequence 2, Appl1

RESULT 1	US-09-802-371-2	Application US/09802371
Sequence 2, Application	6723533	
Patent No. 6723533		
GENERAL INFORMATION:		
APPLICANT:	Rudolph-Owen, Laura	
TITLE OF INVENTION:	26934, A No. 6723533el Cyridine Deaminase-Like	
FILE REFERENCE:	35800/213921	
CURRENT APPLICATION NUMBER:	US/09/802,371	
PRIOR FILING DATE:	2001-03-09	
PRIOR APPLICATION NUMBER:	60/188,294	
PRIOR FILING DATE:	2000-03-10	
NUMBER OF SEQ ID NOS:	4	
SOFTWARE:	FASTSEQ for Windows Version 4.0	
SEQ ID NO 2		
LENGTH:	339	
TYPE:	PRT	
ORGANISM:	Homo sapiens	
US-09-802-371-2		

Query Match	100.0%; Score 1755; DB 2; Length 339;
Best Local Similarity	100.0%; Pred. No. 3.4e-189;
Matches 339; Conservative	0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MKEAGOMNLSARAGRSVSTGTGSMTCQIPRLSKVNLFTLLSLMMLFPFAAOKOKSOK	60
DB	1	MKEAGOMNLSARAGRSVSTGTGSMTCQIPRLSKVNLFTLLSLMMLFPFAAOKOKSOK	60
QY	61	NEEGHGGGLGNEERTSTDKROYKRTGLVVKMKIVGLHCSSEDDHAGQIALIKHS	120
DB	61	NEEGHGGGLGNEERTSTDKROYKRTGLVVKMKIVGLHCSSEDDHAGQIALIKHS	120
QY	61	NEEGHGGGLGNEERTSTDKROYKRTGLVVKMKIVGLHCSSEDDHAGQIALIKHS	120
DB	61	NEEGHGGGLGNEERTSTDKROYKRTGLVVKMKIVGLHCSSEDDHAGQIALIKHS	120
QY	121	RLKNCDDLFSRRKPCACLMIVNAGVNRISYWPADPEISLLEASSSEBDKADAKAVERL	180
DB	121	RLKNCDDLFSRRKPCACLMIVNAGVNRISYWPADPEISLLEASSSEBDKADAKAVERL	180
QY	121	RLKNCDDLFSRRKPCACLMIVNAGVNRISYWPADPEISLLEASSSEBDKADAKAVERL	180
DB	121	RLKNCDDLFSRRKPCACLMIVNAGVNRISYWPADPEISLLEASSSEBDKADAKAVERL	180
QY	181	KNSRAHVCVLLQPLVCYMWQFVEETSYKCPFIQKITLTPDANTDFYECCQERIKYE	240
DB	181	KNSRAHVCVLLQPLVCYMWQFVEETSYKCPFIQKITLTPDANTDFYECCQERIKYE	240
QY	181	KNSRAHVCVLLQPLVCYMWQFVEETSYKCPFIQKITLTPDANTDFYECCQERIKYE	240
DB	181	KNSRAHVCVLLQPLVCYMWQFVEETSYKCPFIQKITLTPDANTDFYECCQERIKYE	240
QY	241	MLFLVSNEMKQKILMTIGLNCENPFNSLRKMKLILLATVASSVPFKHGFGR	300
DB	241	MLFLVSNEMKQKILMTIGLNCENPFNSLRKMKLILLATVASSVPFKHGFGR	300
QY	301	SNPEQINEIHNSLPQETIARHCVMQARLLAYRTGLHRS	339
DB	301	SNPEQINEIHNSLPQETIARHCVMQARLLAYRTGLHRS	339

RESULT 2

US-09-513-999C-8136
Sequence 8136, Application US/09513999C

Patent No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclert, A.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6783961

FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 8136
LENGTH: 121

TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: UNSURE
LOCATION: 121
OTHER INFORMATION: Xaa=Gly or Ser
US-09-513-999C-8136

Query Match 34.6%; Score 607; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 2.7e-60;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKSAGOMNLESARAGRSVSTQTSMTGQIPRLSKVNLFTLLSLMWELEPPAARQKQSK 60
DB 1 MKSAGOMNLESARAGRSVSTQTSMTGQIPRLSKVNLFTLLSLMWELEPPAARQKQSK 60
QY 61 NEEGKHGPIGDNEERTRVSTDKRQVKRTGLVVKNNKIVGLHCSSEDLHAGQIALIKHGS 120
DB 61 NEEGKHGPIGDNEERTRVSTDKRQVKRTGLVVKNNKIVGLHCSSEDLHAGQIALIKHGS 120

RESULT 3

US-09-621-976-3992
Sequence 3992, Application US/09621976

Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2

CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 3992
LENGTH: 118

TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SIGNAL
LOCATION: -50.-1
NAME/KEY: UNSURE
LOCATION: -43
OTHER INFORMATION: Xaa = Glu, Gln
NAME/KEY: UNSURE
LOCATION: 41
OTHER INFORMATION: Xaa = Leu, Met, Val

US-09-621-976-3992

Query Match 33.4%; Score 586; DB 2; Length 118;
Best Local Similarity 98.3%; Pred. No. 6e-58;

Matches 116; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MKSAGOMNLESARAGRSVSTQTSMTGQIPRLSKVNLFTLLSLMWELEPPAARQKQSK 60
DB 1 MKSAGOMNLESARAGRSVSTQTSMTGQIPRLSKVNLFTLLSLMWELEPPAARQKQSK 60
QY 61 NEEGKHGPIGDNEERTRVSTDKRQVKRTGLVVKNNKIVGLHCSSEDLHAGQIALIKH 118
DB 61 NEEGKHGPIGDNEERTRVSTDKRQVKRTGLVVKNNKIVGLHCSSEDLHAGQIALIKH 118

RESULT 4

US-09-973-278-177
Sequence 177, Application US/09973278

Patent No. 6924354
GENERAL INFORMATION:
APPLICANT: Fischer et al.
TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: P2010P2

CURRENT APPLICATION NUMBER: US/09/973,278
CURRENT FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: 60/239,899
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 09/227,357
PRIOR FILING DATE: 1999-01-08
PRIOR APPLICATION NUMBER: PCT/US98/13684
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/051,926
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,793
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,925
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,929
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,803
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,732
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,931
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,932
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,916
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,930
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,918
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,920
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,733
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,795
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,919
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,928
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/055,722
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,723
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,948
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,949
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,953
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,950
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,947
PRIOR FILING DATE: 1997-08-18

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; PRIOR APPLICATION NUMBER: 60/055,964
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/056,360
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,684
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,984
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,954
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/058,785
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,664
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,660
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,661
; PRIOR FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 947
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 177
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (69)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-973-278-177

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Query Match 17.4%; Score 305; DB 2; Length 77;

Best Local Similarity 100.0%; Pred. No. 1.6e-26; Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 26 MTGQIPRLSKVNLFTLLSLMELFPAEAQRKSKQNEEGKGGPLGDNEERTVSTDKRQ 84
Db 1 MTGQIPRLSKVNLFTLLSLMELFPAEAQRKSKQNEEGKGGPLGDNEERTVSTDKRQ 59

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RESULT 5
US-09-227-357-164
; Sequence 164, Application US/09227357
; Patent No. 6342581
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/227,357
; EARLIER FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: FCT/US98/13684
; EARLIER FILING DATE: 1998-07-07
; EARLIER APPLICATION NUMBER: 60/051,926
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,793
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; EARLIER APPLICATION NUMBER: 60/051,925
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,929
; EARLIER FILING DATE: 1997-07-08
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; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,732
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,931
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,932
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,916
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,930
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,918
; EARLIER FILING DATE: 1997-07-08

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; EARLIER APPLICATION NUMBER: 60/051,920
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,733
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; EARLIER APPLICATION NUMBER: 60/052,795
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,919
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; EARLIER APPLICATION NUMBER: 60/051,928
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/055,722
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,723
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,948
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,949
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,953
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,950
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,947
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,964
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/056,360
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,684
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,984
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,954
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/058,785
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,664
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,660
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,661
; EARLIER FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 672
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 164
; LENGTH: 78
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (69)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (78)
; OTHER INFORMATION: Xaa equals stop translation
US-09-227-357-164

```

Query Match 17.4%; Score 305; DB 2; Length 78;

Best Local Similarity 100.0%; Pred. No. 1.6e-26; Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 26 MTGQIPRLSKVNLFTLLSLMELFPAEAQRKSKQNEEGKGGPLGDNEERTVSTDKRQ 84
Db 1 MTGQIPRLSKVNLFTLLSLMELFPAEAQRKSKQNEEGKGGPLGDNEERTVSTDKRQ 59

```

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RESULT 6
US-09-710-279-3242
; Sequence 3242, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMBERLY, WILLIAM JOHN

```

TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PU3480US
CURRENT APPLICATION NUMBER: US/09/710,279
CURRENT FILING DATE: 2000-11-09
PRIOR APPLICATION NUMBER: 60/164,258
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3242
LENGTH: 230
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
FEATURE:
OTHER INFORMATION: amino acid sequence
NAME/KEY: MOD RES
LOCATION: (230)
OTHER INFORMATION: variable amino acid
US-09-710-279-3242

Query Match 6.2%; Score 109; DB 2; Length 230;
Best Local Similarity 21.7%; Pred. No. 0.0013;
Matches 48; Conservative 35; Mismatches 86; Indels 52; Gaps 9;

QY 89 GLVYVKNMKIVGL--HCSSEDLHAGQIALIKHGRKLNKCDLYFSRKPCS-----ACIKM 140
DB 22 GSVVYVKNKRIYGLGALHKKDKKHALEVAQIEMAGLNTQATIVYSLPCTHHGSTPFCVHK 81
QY 141 IVNAGVNRISYWPADPEISLITPSSSEDADLDAKAVERLKSRAHVCYLLOPLVCYV 200
DB 82 IIEAGISKVIYAVKD-----TLIVSKGDEILREAGIEVEFYQYENNA-----ALAYRD 128
QY 201 QFVEITSYKCDPFOKTKTLPDANTDFYVECK--GERIKE--YEMLFLVSNEMHKQIL 255
DB 129 FFTAARNEVEPTVYKXSSLDGKQATDFNESKMTNKEVEDYQOL-----RHEHDA 180
QY 256 MTIGLENL-CENPYFNLKRMKDLILLATVASSVPNFKH 295
DB 181 VITGRRTIADNPLYT-----TRVPDGGH 204

RESULT 7
US-09-710-279-1626
Sequence 1626, Application US/09710279
Patent No. 6703492
GENERAL INFORMATION:
APPLICANT: KIMMERLY, WILLIAM JOHN
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PU3480US
CURRENT APPLICATION NUMBER: US/09/710,279
CURRENT FILING DATE: 2000-11-09
PRIOR APPLICATION NUMBER: 60/164,258
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1626
LENGTH: 343
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
OTHER INFORMATION: amino acid sequence
US-09-710-279-1626

Query Match 6.2%; Score 109; DB 2; Length 343;
Best Local Similarity 21.7%; Pred. No. 0.0026;
Matches 48; Conservative 35; Mismatches 86; Indels 52; Gaps 9;

QY 89 GLVYVKNMKIVGL--HCSSEDLHAGQIALIKHGRKLNKCDLYFSRKPCS-----ACIKM 140
DB 22 GSVVYVKNKRIYGLGALHKKDKKHALEVAQIEMAGLNTQATIVYSLPCTHHGSTPFCVHK 81

QY 141 IVNAGVNRISYWPADPEISLITPSSSEDADLDAKAVERLKSRAHVCYLLOPLVCYV 200
DB 82 IIEAGISKVIYAVKD-----TLIVSKGDEILREAGIEVEFYQYENNA-----ALAYRD 128
QY 201 QFVEITSYKCDPFOKTKTLPDANTDFYVECK--GERIKE--YEMLFLVSNEMHKQIL 255
DB 129 FFTAARNEVEPTVYKXSSLDGKQATDFNESKMTNKEVEDYQOL-----RHEHDA 180
QY 256 MTIGLENL-CENPYFNLKRMKDLILLATVASSVPNFKH 295
DB 181 VITGRRTIADNPLYT-----TRVPDGGH 204

RESULT 8
US-09-710-279-1964
Sequence 1964, Application US/09710279
Patent No. 6703492
GENERAL INFORMATION:
APPLICANT: KIMMERLY, WILLIAM JOHN
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PU3480US
CURRENT APPLICATION NUMBER: US/09/710,279
CURRENT FILING DATE: 2000-11-09
PRIOR APPLICATION NUMBER: 60/164,258
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1964
LENGTH: 343
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
OTHER INFORMATION: amino acid sequence
US-09-710-279-1964

Query Match 6.2%; Score 109; DB 2; Length 343;
Best Local Similarity 21.7%; Pred. No. 0.0026;
Matches 48; Conservative 35; Mismatches 86; Indels 52; Gaps 9;

QY 89 GLVYVKNMKIVGL--HCSSEDLHAGQIALIKHGRKLNKCDLYFSRKPCS-----ACIKM 140
DB 22 GSVVYVKNKRIYGLGALHKKDKKHALEVAQIEMAGLNTQATIVYSLPCTHHGSTPFCVHK 81
QY 141 IVNAGVNRISYWPADPEISLITPSSSEDADLDAKAVERLKSRAHVCYLLOPLVCYV 200
DB 82 IIEAGISKVIYAVKD-----TLIVSKGDEILREAGIEVEFYQYENNA-----ALAYRD 128
QY 201 QFVEITSYKCDPFOKTKTLPDANTDFYVECK--GERIKE--YEMLFLVSNEMHKQIL 255
DB 129 FFTAARNEVEPTVYKXSSLDGKQATDFNESKMTNKEVEDYQOL-----RHEHDA 180
QY 256 MTIGLENL-CENPYFNLKRMKDLILLATVASSVPNFKH 295
DB 181 VITGRRTIADNPLYT-----TRVPDGGH 204

RESULT 9
US-09-134-001C-5150
Sequence 5150, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674


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;; SEQ ID NO 5150
;; LENGTH: 350
;; TYPE: PRT
;; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5150

Query Match      6.2%; Score 109; DB 2; Length 350;
Best Local Similarity 21.7%; Pred. No. 0.0026;
Matches 48; Conservative 35; Mismatches 86; Indels 52; Gaps 9;

Cy 89 GLVVYKNNKIVGL--HCSSEDLHAGQIALIKHGRSLKNCDDLYFSRKPSCS-----ACIKM 140
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 29 GSVVYKNNRIVGLGHLKKGDHAGVQALHMAAGLNTGAGTIVSLPCTHHGSTPCYDK 88
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Cy 141 VNAGVNRISYWPADPEISLTLTEASSSDAKIDAVAYERLKSNSRAHVCVLLQPLVCYVW 200
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 89 IIEAGISKVIYAVKD-----TLVSKGDEILREAGIEVEFQYENENA-----AALYRD 135

Cy 201 QFVETSYKCPFIQKITPLPANTDFYECK---QERIKE--YEMLFVSNEMHKQIL 255
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 136 PPTARNVPEVTYVAVSSSLQKQATDNESKMTTKKEDVYQL-----RHEHDA 187
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Cy 256 MTIGLENT-CENPYPSNLRQNNKQDILLATVASSVPNPKH 295
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 188 VITGRRTIEADNPPLYT-----TRVPDQKH 211
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 10
US-09-068-195-12
; Sequence 12, Application US/090681958
; Patent No. 6140078
; GENERAL INFORMATION:
; APPLICANT: Sanders, Jan W.
; APPLICANT: Ledebner, Adrianus M.
; APPLICANT: Venema, Gerard
; APPLICANT: Kok, Jan
; TITLE OF INVENTION: Salt-inducible Promoter Derivative from a Lactic Acid
; TITLE OF INVENTION: Bacterium, and Its Use in a Lactic Acid Bacterium for
; FILE REFERENCE: Sanders-60113/0252227
; CURRENT APPLICATION NUMBER: US/09/068,195B
; EARLIER FILING DATE: 1998-07-29
; EARLIER APPLICATION NUMBER: PCT/EP97/04755
; EARLIER FILING DATE: 1997-08-20
; EARLIER APPLICATION NUMBER: EP 97200744/7
; EARLIER FILING DATE: 1997-03-13
; EARLIER APPLICATION NUMBER: BP 96202444/4
; EARLIER FILING DATE: 1996-09-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 297
; TYPE: PRT
; ORGANISM: S. gorodnii
US-09-068-195-12

Query Match      6.1%; Score 107.5; DB 2; Length 297;
Best Local Similarity 21.0%; Pred. No. 0.003;
Matches 57; Conservative 52; Mismatches 125; Indels 37; Gaps 11;
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Db 168 LTLETETPASEMTNRQFPNNLPENRRRIKMLLVNVSACIENHNL---QVAMKFLNYI 224
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Cy 310 HNOGLPQ-EIARHCQVQ--ARLLAYRTGELH 337
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 225 DNTKIPETDLYDRVLIKYKHKALYSYKVGNP 255
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 11
US-09-227-357-347
; Sequence 347, Application US/09227357
; Patent No. 6342581
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/227,357
; EARLIER FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: PCT/US98/13684
; EARLIER FILING DATE: 1998-07-07
; EARLIER APPLICATION NUMBER: 60/051,926
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,793
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,925
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,929
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,803
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,732
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,931
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,932
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,916
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,930
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,918
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,920
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,733
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,795
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,919
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,928
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/055,722
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,723
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,948
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,949
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,953
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,950
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,947
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,964
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/056,360
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,684
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,984
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; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,954
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/058,785
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,664
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,660
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,661
; NUMBER OF SEQ ID NOS: 672
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 347
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-227-357-347

Query Match          6.0%; Score 105; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 9e-05;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      4 AGOMONESARAGRSVSTGTGS 25
Db      3 AGOMONESARAGRSVSTGTGS 24

RESULT 12
US-09-973-278-383
; Sequence 383, Application US/09973278
; Patent No. 6924354
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P201072
; CURRENT APPLICATION NUMBER: US/09/973,278
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: 60/239,899
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 09/227,357
; PRIOR FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: PCT/US98/13684
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/051,926
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,793
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,925
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,929
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,803
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,732
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,931
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,932
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,916
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,930
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,918
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,920
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,733
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,795
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,919

; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,928
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/055,722
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,723
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,948
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,949
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,953
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,950
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,947
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,964
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/056,360
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,684
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,984
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,954
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/058,785
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,664
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,660
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,661
; NUMBER OF SEQ ID NOS: 947
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 383
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-973-278-383

Query Match          6.0%; Score 105; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 9e-05;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      4 AGOMONESARAGRSVSTGTGS 25
Db      3 AGOMONESARAGRSVSTGTGS 24

RESULT 13
US-09-134-000C-3746
; Sequence 3746, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3746
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-3746
```

Query Match 5.6%; Score 98.5; DB 2; Length 171;
Best Local Similarity 23.4%; Pred. No. 0.012;
Matches 33; Conservative 22; Mismatches 47; Indels 39; Gaps 4;
QY 89 GLVVVKNMKIV-----GLHCSSE-----DLHAGQIALI---KHGSRLKN 124
DB 33 GATTVDRKRITLAGGNGSVSGTCHIDEGCYVDNHCVRTTHAEMNAILQCAKFGVPREG 92
QY 125 CDLYFSRKPSCACLMYVAGVNRISYWPADPEISLTLEASSSEDAKLDAKAVRLKSN 184
DB 93 AEIVTTHPCLQCTKMILQAGIKKIYY-----LNDYRDATVALNLIQEVG 137
QY 185 RAHVCVLLQPLVCTWQVEE 205
DB 138 PTVEKVTLPVKFYAEALQWGE 158
RESULT 14
US-09-543-681A-6274
; Sequence 6274, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543, 681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 6274
; LENGTH: 1244
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-6274

Query Match 5.6%; Score 98.5; DB 2; Length 1244;
Best Local Similarity 18.8%; Pred. No. 0.33;
Matches 78; Conservative 67; Mismatches 164; Indels 105; Gaps 17;
QY 1 MKKAGQONLESARAGSVSTOTGSMTCQIPRLSKNLFLLSLMME----- 47
DB 210 LKQQAQWALLDATTROELLTQOANITQAVTRLOKEQEVQVAKQWDEKALEIQOQOOSA 269
QY 48 -----LFPAAQRKSKNEBG-KHGPIGDNEER-----TRVSTDQRQ 84
DB 270 QAGINBAQALITAPDQGRLEKNEPAKIRPLYDEKRRLTBEQVYATQUTSLKTEKQA 329
QY 85 VKRTGLVVVKNMKIVGLHCSSEDLHA-----GQIALI-----KHG 119
DB 330 IEQQLPFI--NKKLADFHQKLTNHEKKQHTLQIREKVLPLDNLQGLQOEISTNNQHK 387
QY 120 SRL-KNCDLYFSRKPSCACLMYVAGVNRIS-----YWPADPE 157
DB 388 HKLEKICAEYHQHOLEKELITTOQOYNQNLNDLTOHAYHAOLENLPWMQHYEQOYNE 447
QY 158 ISLTLEASSSEDAKLDAKAVRLKSNRA-HVCVLLQPLVCTWQVEETSYKCDFTQKI 216
DB 448 ISSQYLANQREYVEQEKVISEKALQOATQTLATQDEQALMOOQLOSYOTQUDAROKA 507
QY 217 TKTLPDANTDFYECQRIKREYEMLFLVSNEMHKQILMTIGLENTCENPYFSNLRQNM 276
DB 508 DK--PD--EIKPRLQOINLOKNAKLIIN---LHTQ-LQRNGKE---QOHYQTTLSENO 555
QY 277 KDLILLATVASSVFNPFHGFYSNPEQINEIH-NOSLPEIARHCWQARLL 329
DB 556 QKIATLTQTTAENDLAK-----EKAQHLKDLNDNYLLQKVAVEQERARLL 603

RESULT 15
US-09-252-991A-26732
; Sequence 26732, Application US/09252991A

Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 26732
; LENGTH: 547
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-26732

Query Match 5.6%; Score 98; DB 2; Length 547;
Best Local Similarity 20.0%; Pred. No. 0.096;
Matches 48; Conservative 26; Mismatches 86; Indels 80; Gaps 6;
QY 5 GQWQNTESARAGSVSTOTGSMTCQIPRLSKNLFLLSLMMEFLPAAQRKSKNEBG 64
DB 49 GQARRHAAAPGEASGQRRAPSGHRRHPQAPV-----ARRRARDQVAGAG 94
QY 65 KHG-----PLGDNEERTVSTDQRV----- 85
DB 95 RTDDGRAABARRRRLHPFLGLPALPQPRIPGDRTPRRPAGQGNNAADPLVMARALEL 154
QY 86 -----KRTGLVVVKNMKIV--GLHCSSEDLHAGQIALITKHSRLKNCDLYFSRK 132
DB 155 AROGLVSTHNPVPGCVLVNDGQVGEVHVRAGEPHAEVHALROAENRAGATAYVTL 214
QY 133 PCS-----ACLKMIYVAGVNRISYWPADPE-----ISLTLEASSSEDAKLDAKAVE 178
DB 215 PCHFHGRTPCALVAGAGVARYAAMQDPNPEVAGGLRLIMQAGIAGVQVLEAEARE 274

Search completed: September 16, 2006, 19:17:49
Job time: 51 secs


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QY 301 CTCACATGTTCTAGTGAAGATTTCATGCCGGGAGATTGCTTTATTAACATGGGTCA 360
DB 301 CTCACATGTTCTAGTGAAGATTTCATGCCGGGAGATTGCTTTATTAACATGGGTCA 360
QY 361 AGGCTGAAAACTGTGATCTTTATTTTCCAGAAAACCATGTCTGCTTTGTAAGATG 420
DB 361 AGGCTGAAAACTGTGATCTTTATTTTCCAGAAAACCATGTCTGCTTTGTAAGATG 420
QY 421 ATTGTAATGCTGAGATTAAACCAATTTCACTAGCGCTGCTGACAGAAATAGTTTG 480
DB 421 ATTGTAATGCTGAGATTAAACCAATTTCACTAGCGCTGCTGACAGAAATAGTTTG 480
QY 481 CTTACGAGGCTTCTAGTTCTGAAGATGCAAAAGTTAAGTCAAGAGAGTGAAGATG 540
DB 481 CTTACGAGGCTTCTAGTTCTGAAGATGCAAAAGTTAAGTCAAGAGAGTGAAGATG 540
QY 541 AAGTCAAAACAGTCCGGGCCCATGTGTGTCTTACTTCAACCTTGTGTGTATATGTTG 600
DB 541 AAGTCAAAACAGTCCGGGCCCATGTGTGTCTTACTTCAACCTTGTGTGTATATGTTG 600
QY 601 CAGTTGTAGAGAACCTCTTCAAAATGTGACTTTATTCAAAATTTACAAAACATTTG 660
DB 601 CAGTTGTAGAGAACCTCTTCAAAATGTGACTTTATTCAAAATTTACAAAACATTTG 660
QY 661 CCGGATCTAACTGACCTTTATTTATGATGTAATGTAACAGAAAGATTAAGATGAA 720
DB 661 CCGGATCTAACTGACCTTTATTTATGATGTAATGTAACAGAAAGATTAAGATGAA 720
QY 721 ATGTTATTTTGGTTTCAATGAAAGAAATGATAGCAATCTAGATGATATGTTTG 780
DB 721 ATGTTATTTTGGTTTCAATGAAAGAAATGATAGCAATCTAGATGATATGTTTG 780
QY 781 GAGAACCTGTGTGAAATCCATCTTAGCAATCTAAGCAAAACATGAAAGACCTTATC 840
DB 781 GAGAACCTGTGTGAAATCCATCTTAGCAATCTAAGCAAAACATGAAAGACCTTATC 840
QY 841 CTACTTTTGGCCACAGTAGCTTCCAGTGTGCCGAACTTTAAACCTTGGATTTTACCGT 900
DB 841 CTACTTTTGGCCACAGTAGCTTCCAGTGTGCCGAACTTTAAACCTTGGATTTTACCGT 900
QY 901 AGCAATCCAGAAACGATTATGAAATTCACAAATCAAAAGTTTCCACAGAAATTTGCAAG 960
DB 901 AGCAATCCAGAAACGATTATGAAATTCACAAATCAAAAGTTTCCACAGAAATTTGCAAG 960
QY 961 CACTGCATGTTTCAGGCCAGGTTATTGGCATATCGAACTGTGAGTTACATGATCG 1017
DB 961 CACTGCATGTTTCAGGCCAGGTTATTGGCATATCGAACTGTGAGTTACATGATCG 1017

```

RESULT 2
US-09-802-371-1
Sequence 1, Application US/09802371
Patent No. 6723533

GENERAL INFORMATION:
APPLICANT: Meyers, Rachel
TITLE OF INVENTION: 26934, A No. 6723533el Cytidine Deaminase-Like
TITLE OF INVENTION: Molecule and Uses Thereof
FILE REFERENCE: 35800/213921
CURRENT APPLICATION NUMBER: US/09/802,371
CURRENT FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/188,294
PRIOR FILING DATE: 2000-03-10
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FaecesQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 1585

TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (149)...(1165)
NAME/KEY: misc_feature

LOCATION: (1)...(1585)
OTHER INFORMATION: n = A,T,C or G
US-09-802-371-1

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Query Match 100.0%; Score 1017; DB 3; Length 1585;
Best Local Similarity 100.0%; Pred. No. 2,3e-268;
Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCGAGAGGCGGGCGGTGAGTCAAC 60
DB 149 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCGAGAGGCGGGCGGTGAGTCAAC 208
QY 61 ACCGAGCTGGGAGATGACCGGCTGATACCAAGGCTTTCTTAAATCACTTTTCACT 120
DB 209 ACCGAGCTGGGAGATGACCGGCTGATACCAAGGCTTTCTTAAATCACTTTTCACT 268
QY 121 CTGCTAGGCTCTGATGAGTGGAGCTTTTCCAGAGAGAGCCAGCGGCAAAATCTCAGAAA 180
DB 269 CTGCTAGGCTCTGATGAGTGGAGCTTTTCCAGAGAGAGCCAGCGGCAAAATCTCAGAAA 328
QY 181 AATGAAAGAGGAAAGCATGAGACCTTGAAGATATGAAAGAGAGACAGAGTATCTACT 240
DB 329 AATGAAAGAGGAAAGCATGAGACCTTGAAGATATGAAAGAGAGACAGAGTATCTACT 388
QY 241 GACAAAAGCAGGTAAAGAGAACTGGTCTTGTGTGTGTGAAAAACATGAAATTTGTGT 300
DB 389 GACAAAAGCAGGTAAAGAGAACTGGTCTTGTGTGTGTGAAAAACATGAAATTTGTGT 448
QY 301 CTCACATGTTCTAGTGAAGATTTCATGCCGGGAGATTGCTTTATTAACATGGGTCA 360
DB 449 CTCACATGTTCTAGTGAAGATTTCATGCCGGGAGATTGCTTTATTAACATGGGTCA 508
QY 361 AGGCTGAAAACTGTGATCTTTATTTTCCAGAAAACATGTTCTGCTTTGTAAGATG 420
DB 509 AGGCTGAAAACTGTGATCTTTATTTTCCAGAAAACATGTTCTGCTTTGTAAGATG 568
QY 421 ATTGTAATGCTGAGATTAAACCAATTTCACTAGCGCTGCTGACAGAAATAGTTTG 480
DB 569 ATTGTAATGCTGAGATTAAACCAATTTCACTAGCGCTGCTGACAGAAATAGTTTG 628
QY 481 CTTACGAGGCTTCTAGTTCTGAAGATGCAAAAGTTAAGTCAAGAGAGTGAAGATG 540
DB 629 CTTACGAGGCTTCTAGTTCTGAAGATGCAAAAGTTAAGTCAAGAGAGTGAAGATG 688
QY 541 AAGTCAAAACAGTCCGGGCCCATGTGTGTCTTACTTCAACCTTGGTGTATATGTTG 600
DB 689 AAGTCAAAACAGTCCGGGCCCATGTGTGTCTTACTTCAACCTTGGTGTATATGTTG 748
QY 601 CAGTTGTAGAGAACCTCTTCAAAATGTGACTTTATTCAAAATTTACAAAACATTTG 660
DB 749 CAGTTGTAGAGAACCTCTTCAAAATGTGACTTTATTCAAAATTTACAAAACATTTG 808
QY 661 CCGGATCTAACTGACCTTTATTTATGATGTAATGTAACAGAAAGATTAAGATGAA 720
DB 809 CCGGATCTAACTGACCTTTATTTATGATGTAATGTAACAGAAAGATTAAGATGAA 868
QY 721 ATTGTAATTTTGGTTTCAATGAAAGAAATGCAATTAAGCAAAATCTGATGATAGTTTG 780
DB 869 ATTGTAATTTTGGTTTCAATGAAAGAAATGCAATTAAGCAAAATCTGATGATAGTTTG 928
QY 781 GAGAACCTGTGTGAAATCCATCTTAGCAATCTTAAAGCAAAACATGAAAGCCTTATC 840
DB 929 GAGAACCTGTGTGAAATCCATCTTAGCAATCTTAAAGCAAAACATGAAAGCCTTATC 988
QY 841 CTACTTTTGGCCACAGTAGCTTCCAGTGTGCCGAACTTTAAACCTTGGATTTTACCGT 900
DB 989 CTACTTTTGGCCACAGTAGCTTCCAGTGTGCCGAACTTTAAACCTTGGATTTTACCGT 1048
QY 901 AGCAATCCAGAAACGATTATGAAATTCACAAATCAAAAGTTTCCACAGAAATTTGCAAG 960
DB 1049 AGCAATCCAGAAACGATTATGAAATTCACAAATCAAAAGTTTCCACAGAAATTTGCAAG 1108
QY 961 CACTGCATGTTTCAGGCCAGGTTATTGGCATATCGAACTGTGAGTTACATGATCG 1017

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Db 1109 CACTGATGTTAGGCGCAGATTATGGCATATGAACTGCTGATTAACATGATCG 1165

RESULT 3
US-09-513-999C-4059
Sequence 4059, Application US/09513999C

Patent No. 6783961
GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, J.B.

APPLICANT: Duclert, A.

APPLICANT: Giordano, J.Y.

TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

Patent No. 6783961
FILE REFERENCE: 59.US2.REG

CURRENT APPLICATION NUMBER: US/09/513,999C

PRIOR FILING DATE: 2000-02-24

PRIOR FILING DATE: 1999-02-26

NUMBER OF SEQ ID NOS: 36681

SOFTWARE: Patent.pm

SEQ ID NO 4059

LENGTH: 489

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: 98..460

FEATURE:

NAME/KEY: misc_feature

LOCATION: 458

OTHER INFORMATION: r=a or g

FEATURE:

NAME/KEY: UNSURE

LOCATION: 121

OTHER INFORMATION: Xaa-Gly or Ser

US-09-513-999C-4059

Query Match 37.4%; Score 380.6; DB 3; Length 489;
Best Local Similarity 99.5%; Pred. No. 2.9e-94;
Matches 391; Conservative 1; Mismatches 0; Indels 1; Gaps 1;

QY 1 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 60
DB 98 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 157
QY 61 ACCGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 120
DB 158 ACCGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 217
QY 121 CTGCTAGGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 180
DB 218 CTGCTAGGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 277
QY 181 AATGAAAGAGGAGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 240
DB 278 AATGAAAGAGGAGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 337
QY 241 GACAAAAGAGGAGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 300
DB 338 GACAAAAGAGGAGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 397
QY 301 CTCACAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 360
DB 398 CTCACAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 456
QY 361 AGGCTGAGGAGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 393
DB 457 AGGCTGAGGAGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 489

RESULT 4
US-09-621-976-132

Sequence 132, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, J.B.

APPLICANT: Joibert, S.

APPLICANT: Giordano, J.Y.

TITLE OF INVENTION: ESTs and Encoded Human Proteins.

FILE REFERENCE: GENSET.054PR2

CURRENT APPLICATION NUMBER: US/09/621,976

CURRENT FILING DATE: 2000-07-21

NUMBER OF SEQ ID NOS: 19335

SOFTWARE: Patent.pm

SEQ ID NO 132

LENGTH: 477

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: 124..477

NAME/KEY: s1g_peptide

LOCATION: 124..273

OTHER INFORMATION: Von Heijne matrix

OTHER INFORMATION: score 6

OTHER INFORMATION: seq leftLISIMMELP/AE

NAME/KEY: misc_feature

LOCATION: 394

OTHER INFORMATION: n=a, g, c or t

US-09-621-976-132

Query Match 34.6%; Score 352.2; DB 3; Length 477;
Best Local Similarity 99.2%; Pred. No. 1.7e-86;
Matches 351; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 60
DB 124 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 183
QY 61 ACCGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 120
DB 184 ACCGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 243
QY 121 CTGCTAGGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 180
DB 244 CTGCTAGGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 303
QY 241 GACAAAAGAGGAGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 300
DB 304 GACAAAAGAGGAGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 363
QY 364 GACAAAAGAGGAGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 423
DB 424 CTCACAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCGTCAATCAGC 477

RESULT 5
US-09-227-357-25
Sequence 25, Application US/09227357
Patent No. 6342581
GENERAL INFORMATION:
APPLICANT: Fischer et al.
TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: P2010P1
CURRENT APPLICATION NUMBER: US/09/227,357
CURRENT FILING DATE: 1999-01-08
EARLIER APPLICATION NUMBER: PCT/US98/13684
EARLIER FILING DATE: 1998-07-07
EARLIER APPLICATION NUMBER: 60/051,926
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,793

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1      LOCATION: (1389)
2      OTHER INFORMATION: n equals a,t,g, or c
3      FEATURE:
4      NAME/KEY: SITE
5      LOCATION: (1381)
6      OTHER INFORMATION: n equals a,t,g, or c
7      FEATURE:
8      NAME/KEY: SITE
9      LOCATION: (1393)
10     OTHER INFORMATION: n equals a,t,g, or c
11     FEATURE:
12     NAME/KEY: SITE
13     LOCATION: (1396)
14     OTHER INFORMATION: n equals a,t,g, or c
15     FEATURE:
16     NAME/KEY: SITE
17     LOCATION: (1551)
18     OTHER INFORMATION: n equals a,t,g, or c
19
20 US-09-227-357-25
21
22 Query Match 28.9%; Score 294; DB 3; Length 1555;
23 Best Local Similarity 95.2%; Pred. No. 2,4e-70;
24 Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0
25
26 QY 412 TTGAAATGATGTGAATGCTGAGGTTAACCGAATTTTCATACGTGCGCGTGATCCAGAA 471
27   |||||||
28 Db 1209 TTTTAAATGATGAGAAAGCTGAGGTAAACGAATTTCAACCTGCTGATCCAGAA 1266
29
30 QY 472 ATAAATTGCTTACGAGAGCTTCTAGTTCGTGAAGATCAAAAGTTAGTCCAAAGCACTG 531
31   |||||||
32 Db 1269 ATAAATTGCTTACGAGAGCTTCTAGTTCGTGAAGATCAAAAGTTAGTCCAAAGCACTG 1328
33
34 QY 532 GAAAGATTGAAGTCAACAGTCCGCGCCCATGTGTGTCTTCACTTCAACCTTTGTGTGT 591
35   |||||||
36 Db 1329 GAAAGATTGAAGTCAACAGTCCGCGCCCATGTGTGTCTTCACTTCAACCTTTGTGTGT 1388
37
38 QY 592 TATATGTGCGAGTTTGTAGAGAGACCTCTTACAAATGTGACTTATTCAAAAAATTACA 651
39   |||||||
40 Db 1389 NAAANGAGCAGTTTGTAGAGAGACCTCTTACAAATGTGACTTATTCAAAAAATTACA 1446
41
42 QY 652 AAAACATTGCCGAGTCTTAACACTGACTTTTATTATGATGTAAACAAAGAAATTAATA 711
43   |||||||
44 Db 1449 AAAACATTGCCGAGTCTTAACACTGACTTTTATTATGATGTAAACAAAGAAATTAATA 1508
45
46 QY 712 GAATATGAATGCTTA 726
47   |||||||
48 Db 1509 GAATATGAATGCTTA 1523
49
50 RESULT 6
51 US-09-973-278-37
52 ; Sequence 37, Application US/09973278
53 ; Patent No. 6924354
54 ; GENERAL INFORMATION:
55 ; APPLICANT: Fischer et al.
56 ; TITLE OF INVENTION: 123 Human Secreted Proteins
57 ; FILE REFERENCE: P2010P2
58 ; CURRENT APPLICATION NUMBER: US/09/973,278
59 ; CURRENT FILING DATE: 2001-10-10
60 ; PRIOR APPLICATION NUMBER: 60/239,899
61 ; PRIOR FILING DATE: 2000-10-13
62 ; PRIOR APPLICATION NUMBER: 09/227,357
63 ; PRIOR FILING DATE: 1999-01-08
64 ; PRIOR APPLICATION NUMBER: PCT/US98/13684
65 ; PRIOR FILING DATE: 1998-07-07
66 ; PRIOR APPLICATION NUMBER: 60/051,926
67 ; PRIOR FILING DATE: 1997-07-08
68 ; PRIOR APPLICATION NUMBER: 60/052,793
69 ; PRIOR FILING DATE: 1997-07-08
70 ; PRIOR APPLICATION NUMBER: 60/051,925
71 ; PRIOR FILING DATE: 1997-07-08
72 ; PRIOR APPLICATION NUMBER: 60/051,929
73 ; PRIOR FILING DATE: 1997-07-08
74 ;

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[illegible]


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Db 591 WAAVAAAKWABWAGNNNNMTGAAAGNKGCAAAATGABWADTAAGKCNNNNNNTTV 932
Qy 208 GGAATATATGAGAGAGACAGAGATCTAGACAAGAGAGAGAGAGAGAGAGAGAGAG 267
Db 931 RRAAMKANNNNNNNAAYTACYNRAATNNKATMMKMTGHSHSRKRRHRTORRKYN 872
Qy 268 CTGTGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 327
Db 871 NNNNNATVYVYHHAARWMAWTRNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 812
Qy 328 GCGGAGAGATGCTCTTATTAACATGGGTCAAGGCTGAGAGAGAGAGAGAGAGAGAG 387
Db 811 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 752
Qy 388 TCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 445
Db 751 WYMDMTWBTBTTRNNNTSTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 692
Qy 446 TTTCATCTGCGCTGATCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 505
Db 691 TDARTNNNTVYMRNRMTNTKTRVSTTRHHYTGATNNNNNNNNNNNNNNNNNNNN 632
Qy 506 ATGGAAGTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 555
Db 631 MMTWMTWKGDMTRKVKKRDTCYVDVADSWVWWTANMRCBDVYTRNNNTCKS 572
Qy 566 GTGTCTTACTTCAACCTTGTGTGTATATGATGAGAGAGAGAGAGAGAGAGAGAG 625
Db 571 YAHSWYWSNNAMWYRYSARNWSMARMTTRNNNNNNNNNNNNNNNNNNNNNNNN 512
Qy 626 AATGTGACTTATTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 685
Db 511 TRYWMMKRAVBRTTYVDSMCNKSMMRGNNMRAAMWMAANDAGAMHWYMGNNNT 452
Qy 686 ATGAATGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 745
Db 451 MMHRRAMKMMWMAWCRPAVCCNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 392
Qy 746 AATGTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 805
Db 391 VAMWYRSDTNTDMMWMTSDMBHWYTVDTMMRAVNNNNNNNNNNNNNNNNNNNN 332
Qy 806 TTAGCACTTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 865
Db 331 NTHCTGANNWGSAYBMAASMAAGASNBVTYVWCWRTYMGTTNNNNNNNNNN 272
Qy 866 GTGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 924
Db 271 KTVAMCNRYYDYDAVTTBRKNTKYCTAYBMYTBMVYKHHMBWRDABHRSMMWVC 212
Qy 925 ATTCACATCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 958
Db 211 RNKYMVMHYAMRYBKWABAVGCGNNNNNNNNNNNNNNNNNNNNNNNNNNNN 178

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RESULT 8
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-9300
; TELEFAX: (703) 863-4109
;
; TELEFAX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: PTZgpc-F18
;
; US-08-232-463-14

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Query Match 4.2%; Score 43.2; DB 2; Length 7218;
Best Local Similarity 1.6%; Pred. No. 0.22; Mismatches 156; Indels 0; Gaps 0;
Matches 6; Conservative 218;

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Qy 1 ATGAAGAAGCTGGCGAGATGCAAAATCTGAGAGCGGCGGCGGTGATCAGC 60
Db 1436 ACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1377
Qy 61 ACCGAGCTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 120
Db 1376 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1317
Qy 121 CTGCTAGCTCTGAGATGAGAGCTTTCCAGAGAGAGAGAGAGAGAGAGAGAGAG 180
Db 1316 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1257
Qy 181 AATGAAGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
Db 1256 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1197
Qy 241 GACAAAGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
Db 1196 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1137
Qy 301 CTCTAGCTTTAGTAAAGATTTACATGCCGGGAGAGATGCTTTATTAACATGGGTCA 360
Db 1136 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1077
Qy 361 AGCGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 380
Db 1076 RRRRRRRRRATCGCAAGCT 1057

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RESULT 9
US-07-593-657-14/c
; Sequence 14, Application US/07593657
; Patent No. 5266317
; GENERAL INFORMATION:
; APPLICANT: Tomaleki, Michael D.
; APPLICANT: Miller, Lois K.
; TITLE OF INVENTION: INSECT-SPECIFIC PARALYTIC NEUROTOXIN
; TITLE OF INVENTION: GENES FOR USE IN BIOLOGICAL INSECT CONTROL: METHODS AND

```

TITLE OF INVENTION: COMPOSITIONS
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee and Winner, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: CO
COUNTRY: USA
ZIP: 80303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/593,657
FILING DATE: 19901004
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Feider, Donna M.
REGISTRATION NUMBER: 33,878
REFERENCE/DOCKET NUMBER: 14-90
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303/499-8080
TELEFAX: 303/499-8089
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 319 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
US-07-593-657-14

Query Match 4.1%; Score 42; DB 2; Length 319;
Best Local Similarity 51.0%; Pred. No. 0.13;
Matches 99; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 578 AACCTTGGTGTATATATGTCAGTTGTGAGAGACCTCTTACAAATGTCATT 637
DB 210 AATTATTGTTTAAAAAATCAATTTTAGAAGTACTCTTAATAAATAGTCA 151
QY 638 TTCAAAAATTTACAAAACATGCGGATGCTAACACTGACTTTATTAGATGTAAC 697
DB 150 TTTAGTATATTTAAAAAATTAAGTAAATTTATCGAAATTTTACTAATTTAAAA 91
QY 698 AAGAAAGATTAAGAATATGAATGTTATTTGTTCAATGAAGAATGATAGC 757
DB 90 GAATATATATTTAATATATATGATTATTTATTTAAAAAATCAATATTAAAA 31
QY 758 AATATGATGACT 771
DB 30 ATTTAACACGTCT 17

RESULT 10
US-07-593-657-6/c
Sequence 6, Application US/07593657
Patent No. 5266317
GENERAL INFORMATION:
APPLICANT: Tomalski, Michael D.
APPLICANT: Miller, Lois K.
TITLE OF INVENTION: INSECT-SPECIFIC PARALYTIC NEUROTOXIN
TITLE OF INVENTION: GENES FOR USE IN BIOLOGICAL INSECT CONTROL: METHODS AND
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee and Winner, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: CO
COUNTRY: USA
ZIP: 80303

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/593,657
FILING DATE: 19901004
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Feider, Donna M.
REGISTRATION NUMBER: 33,878
REFERENCE/DOCKET NUMBER: 14-90
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303/499-8080
TELEFAX: 303/499-8089
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1241 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
FEATURE:
NAME/KEY: CDS
LOCATION: 119..985
FEATURE:
NAME/KEY: unsure
LOCATION: -103...-100
FEATURE:
NAME/KEY: unsure
LOCATION: 47..49
US-07-593-657-6

Query Match 4.1%; Score 41.2; DB 2; Length 1241;
Best Local Similarity 51.1%; Pred. No. 0.38;
Matches 97; Conservative 0; Mismatches 93; Indels 0; Gaps 0;

QY 582 TTGCTGTGTATATATGTCAGTTGTGAGAGACCTCTTACAAATGTCATTATCA 641
DB 1166 TTGTTTAAAAAATCAATTTTAGAAGTACTCTTAATAAATAGTCAATTTA 1107
QY 642 AAAAATTTACAAAACATGCGGATGCTAACACTGACTTTATTAGCAATGAACAGA 701
DB 1106 GTAAATTTAAAAAATTAAGTAAATTTATCGAAATTTTACTAATTTAAAAAGAAA 1047
QY 702 AAGATTAAGAATATGAATGTTATTTGTTCAATGAAGAATGATAGCAAT 761
DB 1046 TTATATATTTAATATATATGATTATTTATTTAAAAAATCAATATTAAAAATTT 987
QY 762 ACTGATGACT 771
DB 986 AACACGTCT 977

RESULT 11
US-08-942-012B-3/c
Sequence 3, Application US/08942012B
Patent No. 6235278
GENERAL INFORMATION:
APPLICANT: Miller, Michael D.
APPLICANT: Lu, Albert
APPLICANT: Dieters, Peter
APPLICANT: Black, Bruce
TITLE OF INVENTION: Biological Insect Control Agents Expressing
TITLE OF INVENTION: Insect-Specific Toxin Genes, Methods and Compositions
FILE REFERENCE: 28-96a
CURRENT APPLICATION NUMBER: US/08/942,012B
PRIOR FILING DATE: 1997-10-01
PRIOR APPLICATION NUMBER: 08/729,606
PRIOR FILING DATE: 2000-10-01
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 3
LENGTH: 1241
TYPE: DNA
ORGANISM: Pyemotes tritici
FEATURE:
NAME/KEY: CDS
LOCATION: (119)..(985)
US-08-942-012B-3

Query Match 4.1%; Score 41.2; DB 3; Length 1241;
Best Local Similarity 51.1%; Pred. No. 0.38; Indels 0; Gaps 0;
Matches 97; Conservative 0; Mismatches 93; Indels 0; Gaps 0;

QY 582 TTTGCTGTATATATGATGAGAGAGACCTTTTACAAATGATGACTTTATTC 641
DB 1166 TTTGCTGTATATATGATGAGAGAGACCTTTTACAAATGATGACTTTATTC 1107
QY 642 AAAAATTAACAAACATGCGGATGCTAACACTGACTTTTATATGAAATGTAACAGA 701
DB 1106 GTAAATTTTAAATAATTAAGTAAATTTTCAAAATTTTACTTAATTTTAAATTAAGAAA 1047
QY 702 AAGAAATTAAGAAATGATATTTTGTTCATTAAGAAATGATGATTAAGCAAT 761
DB 1046 TTAATTTATTAATTAATTAATTAATTTTATTTTAAATTAATTAATTTTAAATTT 987
QY 762 ACTGATGACT 771
DB 986 AACACGCTC 977

RESULT 12
US-09-949-016-40453
Sequence 40453, Application US/09949016
Patent No. 6812339

GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 40453
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-40453

Query Match 4.0%; Score 40.4; DB 3; Length 601;
Best Local Similarity 51.1%; Pred. No. 0.47; Indels 0; Gaps 0;
Matches 95; Conservative 0; Mismatches 91; Indels 0; Gaps 0;

QY 589 TGTATATGTCAGCTTTGAGAGAGACCTTTTACAAATGATGACTTTATTC 648
DB 325 TGTTCATCATATATGATGAGAGAGACCTTTTACAAATGATGACTTTATTC 384
QY 649 ACAAAACATGCGGATGCTAACACTGACTTTTATATGAAATGTAACAGAATA 708
DB 385 AGAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 444
QY 709 AAGAAATGATGATTTATTTTGTTCATTAAGAAATGATGATTAAGCAAT 768
DB 445 GAAAAAGATGATCATATCTCTTATTAAGAAATTAAGAAATTAAGCAATTAATA 504
QY 769 ACTATA 774

DB 505 TCAGTA 510

RESULT 13
US-09-949-016-103300
Sequence 103300, Application US/09949016
Patent No. 6812339

GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 103300
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-103300

Query Match 4.0%; Score 40.4; DB 3; Length 601;
Best Local Similarity 51.1%; Pred. No. 0.47; Indels 0; Gaps 0;
Matches 95; Conservative 0; Mismatches 91; Indels 0; Gaps 0;

QY 589 TGTATATGTCAGCTTTGAGAGAGACCTTTTACAAATGATGACTTTATTC 648
DB 325 TGTTCATCATATATGATGAGAGAGACCTTTTACAAATGATGACTTTATTC 384
QY 649 ACAAAACATGCGGATGCTAACACTGACTTTTATATGAAATGTAACAGAATA 708
DB 385 AGAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 444
QY 709 AAGAAATGATGATTTATTTTGTTCATTAAGAAATGATGATTAAGCAAT 768
DB 445 GAAAAAGATGATCATATCTCTTATTAAGAAATTAAGAAATTAAGCAATTAATA 504
QY 769 ACTATA 774
DB 505 TCAGTA 510

RESULT 14
US-09-949-016-151823
Sequence 151823, Application US/09949016
Patent No. 6812339

GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 151823
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-151823

Query March	4.0%;	Score 40.4;	DB 3;	Length 601;
Best Local Similarity	51.1%;	Pred. No. 0.47;		
Matches 95;	Conservative 0;	Mismatches 91;	Indels 0;	Gaps 0;

Oy 589 TGTATATATGTCAGTTTATAGAGAGACCTCTTACAAAATGTGACTTATTTCAAAAATT 648
 Db 325 TGTTCACATATATAGGTAAACATGACACTTCTTTTATGTCACACTTAATGAGAAATTCATT 384
 Oy 639 ACAAAAACATTCGCCGATGCTAACTGACTTTTATATGATGTAAACAGAAAGATA 708
 Db 385 AGAAAAAATTTGAATTTATTCAGGTATATATACATATTTAAGAAATGTGAAATPAGAACTPAAA 444
 Oy 709 AAAGATATGAAATGTATTTTGTGTTTCAATGAGAAATATGATTAAGCAAAATATCTGATG 768
 Db 445 GAAAAAAGAGTACATTAATCTTTATTAGAAATTAAGAAAGTAAATATGAGAAATTTATATA 504
 Oy 769 ACTATA 774
 Db 505 TCAGTA 510

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RESULT 15
US-09-484-9708-29/c
Sequence 29, Application US/094849708
Patent No. 6426186
GENERAL INFORMATION:
APPLICANT: Jones, Karen A.
APPLICANT: Volkmutz, Wayne
APPLICANT: Walker, Michael G.
TITLE OF INVENTION: BONE REMODELING GENES
FILE REFERENCE: PB-0014 US
CURRENT APPLICATION NUMBER: US/09/484,970B
CURRENT FILING DATE: 2000-01-18
NUMBER OF SEQ ID NOS: 172
SOFTWARE: PERL Program
SEQ ID NO 29
LENGTH: 2737
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6426186 235636.1CBI
US-09-484-9708-29

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Query Match	4.0%;	Score 40.4;	DB 3;	Length 2737;
Best Local Similarity	51.1%;	Pred. No. 0.88;		
Matches 95;	Conservative 0;	Mismatches 91;	Indels 0;	Gaps 0;

QY	589	GGTTATATGTCGACGTTGTAGAGGAGACCTCTTCAAAATGTCATTATTCAAAAATT	648
Db	585	TGTTTCACTATATAGTAACTGACACTCTTTTGTAGTCACTAATGGAATTCGAA	526
QY	649	ACAAATAACATTCGCGATGCTAACACTGACTTTATATGATGATGAACAGAAAGATA	708
Db	525	AGAAAAAATTGCAATTATTCAGGTATATACAAATATTGAAGATGTGAATGAACTTAAA	466
QY	709	AAAGAATATGAATGTATATTTTGGTTCAAAATGAAGAAATGCTATAGCAATATCTGATG	768
Db	465	GAATAAAGAGTCACATTAATCTCTTATTGAATAATTAAGAAATGAAATGAAATTATATA	406
QY	769	ACTATA	774
Db	405	TCAGTA	400

Search completed: September 18, 2006, 02:47:41
Job time : 342.697 secs

Db 182 AGGCGAGGCGGCGGCGTCAAGTCAAGCAGCCAGCTGCGCATGACCGGTCAAGATCA 241
 QY 242 AGGCTTTCTAAAGTCAACCTTTTCACTGTGTGACCTCTGATGAGAGCTCTTTCCAGCA 301
 Db 242 AGGCTTTCTAAAGTCAACCTTTTCACTGTGTGACCTCTGATGAGAGCTCTTTCCAGCA 301
 QY 302 GAAGCCGAGCGGCAAAATCTCAGAAAATGAAGAGGAAAGCAATGAGACCTTAGAGAT 361
 Db 302 GAAGCCGAGCGGCAAAATCTCAGAAAATGAAGAGGAAAGCAATGAGACCTTAGAGAT 361
 QY 362 AATGAAGAGGAGCCAGAGATCTACAGAAAAGAGAGTAAAGAACTGTGCTTGTG 421
 Db 362 AATGAAGAGGAGCCAGAGATCTACAGAAAAGAGAGTAAAGAACTGTGCTTGTG 421
 QY 422 GTGGTGAAGAAACATGAATAATTTGTGTCTCACTGTTCTAGTGAAGATTACATGCCGG 481
 Db 422 GTGGTGAAGAAACATGAATAATTTGTGTCTCACTGTTCTAGTGAAGATTACATGCCGG 481
 QY 482 CAGATTGCTTTATTAACATGGGTCAAGGCTGAAAACCTGTGATCTTTATTTTCCAGA 541
 Db 482 CAGATTGCTTTATTAACATGGGTCAAGGCTGAAAACCTGTGATCTTTATTTTCCAGA 541
 QY 542 AAACCATGTTCTGCTTTGTTGAATAATGTTAAATGCTGAGTTAACGAAATTTCAATAC 601
 Db 542 AAACCATGTTCTGCTTTGTTGAATAATGTTAAATGCTGAGTTAACGAAATTTCAATAC 601
 QY 602 TGGCTGCTGATCAGAAATTAAGTTTCTTACGAGAGCTTCTAGTTCTGAAGATGCAAG 661
 Db 602 TGGCTGCTGATCAGAAATTAAGTTTCTTACGAGAGCTTCTAGTTCTGAAGATGCAAG 661
 QY 662 TTGATGCCAAGACAGTGAAGATGAATGAATCAACAGTGGGCGCATGTGTGTCTTA 721
 Db 662 TTGATGCCAAGACAGTGAAGATGAATGAATCAACAGTGGGCGCATGTGTGTCTTA 721
 QY 722 CTTCACCTTTGCTGTGTATATGATGATGATGATGATGATGATGATGATGATGATGAT 781
 Db 722 CTTCACCTTTGCTGTGTATATGATGATGATGATGATGATGATGATGATGATGATGAT 781
 QY 782 TTTATTCAAAATAATTAACAAAACATGCGGATGCTTACACATGCTTTTATTAATGATGT 841
 Db 782 TTTATTCAAAATAATTAACAAAACATGCGGATGCTTACACATGCTTTTATTAATGATGT 841
 QY 842 AAACAGAAAGATTAAGAAATGAATGATGATGATGATGATGATGATGATGATGATGAT 901
 Db 842 AAACAGAAAGATTAAGAAATGAATGATGATGATGATGATGATGATGATGATGATGAT 901
 QY 902 AAACAGAAAGATTAAGAAATGAATGATGATGATGATGATGATGATGATGATGATGAT 961
 Db 902 AAACAGAAAGATTAAGAAATGAATGATGATGATGATGATGATGATGATGATGATGAT 961
 QY 962 CTAAGGCAAAACATGAAGAAGCTTATCTTATCTTTTGGCACAAGTAGCTTCAGTGTGCCG 1021
 Db 962 CTAAGGCAAAACATGAAGAAGCTTATCTTATCTTTTGGCACAAGTAGCTTCAGTGTGCCG 1021
 QY 1022 AACTTTAAACATCTTGGATTTTACCGTAGCAATTCAGAAATGATTAATGAAATTCACAT 1081
 Db 1022 AACTTTAAACATCTTGGATTTTACCGTAGCAATTCAGAAATGATTAATGAAATTCACAT 1081
 QY 1082 CAAAGTTTGCACAGAGAAATTTGCAAGGCACTGCAATGATGATGATGATGATGATGAT 1141
 Db 1082 CAAAGTTTGCACAGAGAAATTTGCAAGGCACTGCAATGATGATGATGATGATGATGAT 1141
 QY 1142 CGAAGTGTGATGATTAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1201
 Db 1142 CGAAGTGTGATGATTAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1201
 QY 1202 TGAAGTGTGATGATTAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1261
 Db 1202 TGAAGTGTGATGATTAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1261
 QY 1262 TTCAATCAATATGAGAAAGTTAGTGAAGACCTTGAAGTGAAGTGAAGTGAAGTGAAGT 1321
 Db 1262 TTCAATCAATATGAGAAAGTTAGTGAAGACCTTGAAGTGAAGTGAAGTGAAGTGAAGT 1321

QY 1322 TTTGGATTCCTTTAGTACCTTATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1381
 Db 1322 TTTGGATTCCTTTAGTACCTTATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1381
 QY 1382 CTAGGCTTTCTTTCTGCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCT 1441
 Db 1382 CTAGGCTTTCTTTCTGCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCT 1441
 QY 1442 AAGTGAAGCAAGAAAGAGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1501
 Db 1442 AAGTGAAGCAAGAAAGAGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1501
 QY 1502 CACTTTGAAGAGCTGADACAGAGAGATCCCTTGAAGTCAAGAGTTAAAGCAAGCGTGGG 1561
 Db 1502 CACTTTGAAGAGCTGADACAGAGAGATCCCTTGAAGTCAAGAGTTAAAGCAAGCGTGGG 1561
 QY 1562 CAACATGCAAGAGCTTCAAGCTCTA 1585
 Db 1562 CAACATGCAAGAGCTTCAAGCTCTA 1585

RESULT 2
 US-09-802-371-3
 / Sequence 3, Application US/09802371
 / Patent No. 6723533
 / GENERAL INFORMATION:
 / APPLICANT: Meyers, Rachel
 / APPLICANT: Rudolph-Owen, Laura
 / TITLE OF INVENTION: 26934, A No. 6723533el Cytidine Deaminase-Like
 / FILE REFERENCE: 35800/213921
 / CURRENT APPLICATION NUMBER: US/09/802,371
 / PRIOR FILING DATE: 2001-03-09
 / PRIOR FILING DATE: 2000-03-10
 / NUMBER OF SEQ ID NOS: 4
 / SOFTWARE: FaBioSeq for Windows Version 4.0
 / SEQ ID NO 3
 / LENGTH: 1017
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 US-09-802-371-3

Query Match 64.3%; Score 1017; DB 3; Length 1017;
 Best Local Similarity 100.0%; Pred. No. 2,1e-271;
 Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 149 ATGAAGAAGCTGGCGAGATGCAAAATCTGAGAGGCGAGAGGCGGCGGCTCAGTCAGC 208
 Db 1 ATGAAGAAGCTGGCGAGATGCAAAATCTGAGAGGCGAGAGGCGGCGGCTCAGTCAGC 208
 QY 209 ACCGAGACTGGAGCATGACCGGTCAGATACCAAGGCTTTCTAAAGTCAACCTTTCACT 268
 Db 61 ACCGAGACTGGAGCATGACCGGTCAGATACCAAGGCTTTCTAAAGTCAACCTTTCACT 268
 QY 269 CTGCTCAGCTTGTGATGAGTCTTTTCCAGAGAAAGCCGAGGCGGCAAAATTTCCAAA 328
 Db 121 CTGCTCAGCTTGTGATGAGTCTTTTCCAGAGAAAGCCGAGGCGGCAAAATTTCCAAA 328
 QY 329 AATGAAGAGGAAAGATGAGATCCCTTGAAGATTAATGAAGAGAGCAAGAGATCTACT 388
 Db 181 AATGAAGAGGAAAGATGAGATCCCTTGAAGATTAATGAAGAGAGCAAGAGATCTACT 388
 QY 389 GACAAAAGACAGTAAAGAACTGGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 448
 Db 241 GACAAAAGACAGTAAAGAACTGGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 448
 QY 449 CTCCTACTGTTCTAGTGAAGATTTACATGCGGCGAGATGCTTTATTTAAACATGGGTCA 508
 Db 301 CTCCTACTGTTCTAGTGAAGATTTACATGCGGCGAGATGCTTTATTTAAACATGGGTCA 508
 QY 509 AGGCTGAAGAAACATGATCTTTATTTTCCAGAAAACATGTTCTGCTTTGAAATG 568

Db 361 AGCGTAAAAACGTGATCTTTATTTTCCAGAAAAACATGTTCTGTTGTTGAAAAATG 420
Qy 569 ATTGTAATGCTGAGATTAAACCAATTTTCTACTGCGCTGCTGATCCAGAAATAGTTTG 628
Db 421 ATTGTAATGCTGAGATTAAACCAATTTTCTACTGCGCTGCTGATCCAGAAATAGTTTG 480
Qy 629 CTTCAGGAGGCTTCTAGTTCTGTAAGATGCAAAAGTTGATGCCAAAGAGTGGAAAATTTG 688
Db 481 CTTCAGGAGGCTTCTAGTTCTGTAAGATGCAAAAGTTGATGCCAAAGAGTGGAAAATTTG 540
Qy 689 AAGTCAAAAGTGGGCGCATGCTGCTTCAACTTGGTGTATGATG 748
Db 541 AAGTCAAAAGTGGGCGCATGCTGCTTCAACTTGGTGTATGATG 600
Qy 749 CAGTTGTAGAGAGACCTTTTCAAAATGATGATTTTCAAAAAATTCAAAAACATTG 808
Db 601 CAGTTGTAGAGAGACCTTTTCAAAATGATGATTTTCAAAAAATTCAAAAACATTG 660
Qy 809 CCGGATGCTAACCTGATCTTTTATTTGATGATGAAAGAAAGAAATGAAATGAA 868
Db 661 CCGGATGCTAACCTGATCTTTTATTTGATGATGAAAGAAAGAAATGAAATGAA 720
Qy 869 AAGTTATTTTGGTTTCAATGAGAAAGATGCAATGCAATGATGATGATGATG 928
Db 721 AAGTTATTTTGGTTTCAATGAGAAATGCAATGCAATGATGATGATGATG 780
Qy 929 GAGAACCTGTGTAATTCATCTTTAGCAATCTAAGCAAAACATGAAAGCCTTATC 988
Db 781 GAGAACCTGTGTAAATTCATCTTTAGCAATCTAAGCAAAACATGAAAGCCTTATC 840
Qy 989 CTACTTTTGGCCACAGTACCTTCCAGTGTGCGAATTTTAAACATTTGATTTACCGT 1048
Db 841 CTACTTTTGGCCACAGTACCTTCCAGTGTGCGAATTTTAAACATTTGATTTACCGT 900
Qy 1049 AAGCAATCCAGAACAGATTATGAAATTCACAAATCAAGTTTGCACAGAAATGCAAG 1108
Db 901 AAGCAATCCAGAACAGATTATGAAATTCACAAATCAAGTTTGCACAGAAATGCAAG 960
Qy 1109 CACTGATGATTCAGGCGAGTTATGCAATATGCAAGTGTGATGATGATGATG 1165
Db 961 CACTGATGATTCAGGCGAGTTATGCAATATGCAAGTGTGATGATGATGATG 1017

RESULT 3
US-09-513-999C-4059
; Sequence 4059, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclet, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59 US2 REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; NUMBER OF SEQ ID NOS: 1999-02-26
; SOFTWARE: Patent.pm
; SEQ ID NO 4059
; LENGTH: 489
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 98..460
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 458
; OTHER INFORMATION: r=a or g
; FEATURE:

NAME/KEY: UNSURE
; LOCATION: 121
; OTHER INFORMATION: Xaa=Gly or Ser
US-09-513-999C-4059
Query Match 30.0%; Score 474.4; DB 3; Length 489;
Best Local Similarity 99.2%; Pred. No. 2.4e-121;
Matches 486; Conservative 1; Mismatches 2; Indels 1; Gaps 1;
Qy 52 ACAGTTGCTGAGAGAGGTGAGAGCGCGGCGCTAGAGGCCAGATCATGTCTGACTGG 111
Db 1 ACAGTTGCTGAGAGAGGTGAGAGCGCGGCGCTAGAGGCCAGATCATGTCTGACTGG 60
Qy 112 AGAGTTTCTTGGAG 171
Db 61 AGAGTTTCTTGGAG 120
Qy 172 AAATCTGAGAGAGCGGAGAGCGCGGCGCTAGTCAAGCAGCAGACTGCGAGATGACCG 231
Db 121 AAATCTGAGAGAGCGGAGAGCGCGGCGCTAGTCAAGCAGCAGACTGCGAGATGACCG 180
Qy 232 TCAGATACCAAGGCTTTCTAAATGCACTTTTCACTGCTCAAGCTTGTGATGAGCT 291
Db 181 TCAGATACCAAGGCTTTCTAAATGCACTTTTCACTGCTCAAGCTTGTGATGAGCT 240
Qy 292 CTTTCAGCAGAGAGCCGCGGCAAAATCTCAGAAAAATGAAAGGAGAAAGCATGAGCC 351
Db 241 CTTTCAGCAGAGAGCCGCGGCAAAATCTCAGAAAAATGAAAGGAGAAAGCATGAGCC 300
Qy 352 CTTAGAGATTAAGAAAGAGAGAGAGAGAGATCTACTGCAAAAGACAGTAAAGAGAAC 411
Db 301 CTTAGAGATTAAGAAAGAGAGAGAGAGAGAGATCTACTGCAAAAGACAGTAAAGAGAAC 360
Qy 412 TGGCTTGTGTGTGTAAGAAACATGAAATTTGTGTCTCCACTGTTCTAGTGAATTT 471
Db 361 TGGCTTGTGTGTGTAAGAAACATGAAATTTGTGTCTCCACTGTTCTAGTGAATTT 420
Qy 472 ACATCCCGGCGAGATTGCTTTATTAACATGAGGCTCAAGGCTGAAAGAACTGATCTTA 531
Db 421 ACATCCCGGCGAGATTGCTTTATTAACATGAGGCTCAAGGCTGAAAGAACTGATCTTA 479
Qy 532 TTTTCCAGA 541
Db 480 TTTTCCAGA 489

RESULT 4
US-09-621-976-132
; Sequence 132, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET 054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; PRIOR FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 132
; LENGTH: 477
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 124..477
; NAME/KEY: sig_peptide
; LOCATION: 124..273
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 6
; OTHER INFORMATION: seq LEFTLISIMWELFP/AE
; NAME/KEY: misc_feature

QY	620	TTAAATTTGCTTAACGAGGCTTCTAATTCGAAGATGCAAAAGTAGTGCAAGCAGTG	679
Db	1269	ATTAATTTTGCTTAACGAGGCTTCTAATTCGAAGATGCAAAAGTAGTAGCAAGCAGTG	1328
QY	660	GAAAGATTGAAGTCAAAACAGTGGGGCCCATGTGTGTCTTAATCTCAACCTTTGGTGTGT	739
Db	1329	GAAAGATTGAAGTCAAAACAGTGGGGCCCATGTGTGTCTTAATCTCAACCTTTGGTGTGT	1388
QY	740	TATATGTGTCAGTTTGTAGAGAGACCTCTTACAATGTGACTTTATCAAAAATTACA	799
Db	1389	NANANAGNCAGTTTGTAGAGAGACCTCTTACAATGTGACTTTATCAAAAATTACA	1448
QY	800	AAAACATTGCCGAGTCTTAACCTGACTTTATTAATGAATGTAAACAGAAAGATPAAA	859
Db	1449	AAAACATTGCCGAGTCTTAACCTGACTTTATTAATGAATGTAAACAGAAAGATPAAA	1508
QY	860	GAATATGAAATGTTA	874
Db	1509	GAATATGAAATGTTA	1523

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? RESULT 7
? US-09-949-016-42616/c
? Sequence 42616, Application US/09949016
? Patent No. 6612339
? GENERAL INFORMATION:
? APPLICANT: VENTER, J. Craig et al.
? TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
? TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
? FILE REFERENCE: C1001307
? CURRENT APPLICATION NUMBER: US/09/949, 016
? CURRENT FILING DATE: 2000-04-14
? PRIOR APPLICATION NUMBER: 60/241,755
? PRIOR FILING DATE: 2000-10-20
? PRIOR APPLICATION NUMBER: 60/237,768
? PRIOR FILING DATE: 2000-10-03
? PRIOR APPLICATION NUMBER: 60/231,498
? PRIOR FILING DATE: 2000-09-08
? NUMBER OF SEQ ID NOS: 207012
? SOFTWARE: FASTSEQ for Windows Version 4.0
? SEQ ID NO 42616
? LENGTH: 601
? TYPE: DNA
? ORGANISM: Human
? US-09-949-016-42616

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	Best Local	Similarity	76.7%	Pred. No. 3.2e-16		
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					Indels	0
					Gaps	0
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Db	540	TTCCTCAATGCTAGCTATGTTTAAGAAATTAAAGGCCAGGTACAGTGGCTCATGCTCTTA	481			
OY	1495	ATTGCAACCTTTAGAGAGCTGADACAGAGAGATGCTTGAAGCTCAGAGTTCAAAGCCA	155%			
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Db	420	GTCGTGGCAATAGCAAGACCTGCTCTTT	391			

RESULT 8
 US-09-949-016-42648/C
 Sequence 42648, Application US/09949016
 Patent No. 6812339
 GENERAL INFORMATION:
 APPLICANT: VENTER, J. Craig et al.
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 FILE REFERENCE: CL0011307

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? CURRENT APPLICATION NUMBER: US/09/349, 016
? CURRENT FILING DATE: 2000-04-14
? PRIOR APPLICATION NUMBER: 60/241, 755
? PRIOR FILING DATE: 2000-10-20
? PRIOR APPLICATION NUMBER: 60/237, 768
? PRIOR FILING DATE: 2000-10-03
? PRIOR APPLICATION NUMBER: 60/231, 498
? PRIOR FILING DATE: 2000-09-08
? NUMBER OF SEQ ID NOS: 207012
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 42648
? LENGTH: 601
? TYPE: DNA
? ORGANISM: Human
US-09-949-016-42648

Query Match: 6 0%; Score 94.8; DB 3; Length 601;
Best Local Similarity 76.7%; Pred. 3.2e-16;
Matches 115; Conservative 1; Mismatches 34; Indels 0; Gaps 0;

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|||||
540 TTCTCCAAATCTAGCTATGTATTAGAAATTTAAGCCACAGGTACAATGGCTCATGCTGTGA 481
|||||
1495 ATTGCACACTTTTAGAAGGCTGTGADACAGGAGGATGCTTTAGCTCAGAGATTCACAAGCA 1554
|||||
480 ATCCCGGATTTTAGAAGGCTGTGAGGCGAGAGAGATCACTTGAAGCTCAGGAGTTTAGACCA 421
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1555 GCGTGGCAACATGACGAAGACCTGCATCT 1584
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DB

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RESULT 9
US-09-949-016-42680/c
; Sequence 42680, Application US/09949016
; Patent No. 681239
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,438
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 42680
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-42680

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	Query Match	6.0% ;	Score 94.8 ;	DB 3 ;	Length 601 ;
	Best Local Similarity	76.7% ;	Pred. No. 3.2e-16 ;		
	Matches 115 ;	Conservative 1 ;	Mismatches 34 ;	Indels 0 ;	Gaps 0 ;
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DB	540	TTCTCCAAATGCTNAGCTATGTTTAAGAAATTTAAGCCAGAGTACAGTGGCTCATGCTGTA	481		
QY	1495	ATTGCAACACTTTAGAAAGCTGADACNAGAGAGATGCTTGAAGCTCAGAGTTCCAAAGACA	1554		
DB	480	ATCCCGGCATTTTGAAGGCTGAGGCGAGAGGATCACTTGAGGCTCAGAGAGTTTGAGACCA	421		
QY	1555	GCGTGGGCAACATNAGCAAGACCTCGACTCT	1584		
DB	420	GTCGGGCAACATNAGCAAGACCTCGTCTTT	391		

GENERAL INFORMATION:
 APPLICANT: VENTER, J. Craig et al.
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

Search completed: September 18, 2006, 02:47:43
Job time : 528.303 secs

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: September 20, 2006, 04:03:17 ; Search time 1427 Seconds
(without alignments)
4378.600 Million cell updates/sec

Title: US-10-785-135-2

Perfect score: 1755
Sequence: 1 MEEACQMONLESARAGRSVS.....RHCMQARLLAYRTGELHRS 339

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Searched: 18892170 seqs, 6143817638 residues

Total number of hits satisfying chosen parameters: 37784340

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1755	100.0	1017	3	US-09-802-371-3 Sequence 3, Appl1

Result No.	Score	Query Match	Length	ID	Description
2	1755	100.0	1017	8	US-10-785-135-3 Sequence 3, Appl1
3	1755	100.0	1585	3	US-09-802-371-1 Sequence 1, Appl1
4	1755	100.0	1585	8	US-10-785-135-1 Sequence 1, Appl1
5	1120.5	63.8	2029	3	US-09-822-846-332 Sequence 332, Appl1
6	1030.5	58.7	410846	10	US-10-481-613-1 Sequence 1, Appl1
7	767	43.7	1555	3	US-09-983-802-25 Sequence 25, Appl1
8	767	43.7	1555	3	US-09-984-490-25 Sequence 25, Appl1
9	767	43.7	1555	3	US-09-973-278-37 Sequence 37, Appl1
10	767	43.7	1555	10	US-10-472-533-83 Sequence 83, Appl1
11	716	40.8	489	16	US-11-021-492-515 Sequence 515, App
12	654	37.3	529	11	US-10-475-075-601 Sequence 601, App
13	433.5	24.7	562	3	US-09-969-034-951 Sequence 951, App
14	375	21.4	218	8	US-10-242-538A-17272 Sequence 37272, A
15	375	21.4	218	8	US-10-085-783A-17272 Sequence 37272, A
16	351.5	20.0	995	6	US-10-106-698-1661 Sequence 1661, App
17	309	17.6	386	9	US-10-357-930-21664 Sequence 21664, App
18	309	17.6	386	9	US-10-357-930-22703 Sequence 22703, A
19	309	17.6	386	9	US-10-357-930-27508 Sequence 27508, A
20	309	17.6	386	9	US-10-357-930-28548 Sequence 28548, A
21	309	17.6	390	9	US-10-357-930-11768 Sequence 11768, A
22	309	17.6	390	9	US-10-357-930-13342 Sequence 13342, A
23	309	17.6	399	9	US-10-357-930-33487 Sequence 33487, A
24	309	17.6	432	9	US-10-357-930-32940 Sequence 32940, A
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31	144	8.2	600	10	US-10-972-079-10228 Sequence 10228, A
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33	144	8.2	600	10	US-10-972-079-10230 Sequence 10230, A
34	123.5	7.0	522	10	US-10-501-282-6371 Sequence 6371, App
35	123.5	7.0	522	10	US-10-501-282-6373 Sequence 6373, App
36	123.5	7.0	1754382	10	US-10-501-282-6651 Sequence 6651, App
37	120	6.8	1041	8	US-10-282-122A-35384 Sequence 35384, A
38	119.5	6.8	5567	7	US-10-361-552-1 Sequence 1, Appl1
39	117.5	6.7	1260	10	US-10-501-282-5971 Sequence 5971, App
40	117.5	6.7	1260	10	US-10-501-282-5973 Sequence 5973, App
41	117.5	6.7	15896	10	US-10-915-740A-64 Sequence 64, Appl1
42	117.5	6.7	2242716	10	US-10-915-740A-1068 Sequence 1068, App
43	113.5	6.5	717	10	US-10-467-657-5621 Sequence 5621, App
44	112.5	6.4	1032	10	US-10-793-626-1625 Sequence 1625, App
45	112.5	6.4	1032	10	US-10-793-626-1963 Sequence 1963, App

ALIGNMENTS

RESULT 1
US-09-802-371-3
Sequence 3, Application US/09802371
Patent No. US20010036649A1
GENERAL INFORMATION:
APPLICANT: Meyers, Rachel
APPLICANT: Rudolph-Owen, Laura
TITLE OF INVENTION: 2634, A No. US20010036649A1 Cytidine Deaminase-Like
FILE REFERENCE: 35800/213921
CURRENT APPLICATION NUMBER: US/09/802,371
PRIOR FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/188,294
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 1017
TYPE: DNA
ORGANISM: Homo sapiens
US-09-802-371-3
Alignment Scores:
Pred. No.: 1.1e-212 Length: 1017
Score: 1755.00 Matches: 339


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Db      541 AGCTCAACAGTCGGCCCACTGCTGCTTCTTCAACCTTGGTGGTATATAGTG 600
Qy      201 GlnpheValGluGlnThrseryLyScyAspPheIleGlnlysiIethrlystrLeu 220
Db      601 CAGTTGTAGAGGAGACCTTTTCAATATGACTTTATTCAAAATAATTCAAAACATTG 660
Qy      221 ProAspAlaAsnThrAspPheTyrrYrGluCyLyGlnGlnLysGlyIlelysglyYrGlu 240
Db      661 CCGGAGCTCAACACTACTTTTATTTATGATGAAACAAGAAAGAAATGAAATGAA 720
Qy      241 MetLeuPheLeuValSerAsnGluGlnUmeChslyGlnIleLeuMetThrIleGlyLeu 260
Db      721 ATGTTATTTTGGTTTCAATGAAATGAAATGCAATCAAAATCTATGACTATAGTTTG 780
Qy      261 GluAsnLeuCyGlnAsnProTyrrPheSerAsnLeuArgGlnAsnMetLysAspLeuIle 280
Db      781 GAGAACCTGTGTGAAATCCATCTTTAGCAATCTAAGGCAAAACATGAAAGCCTTATC 840
Qy      281 LeuLeuLeuAlaThrValAlaSerSerValProAsnPhelyshIspheGlyPheTyrrArg 300
Db      841 CTACTTTTGGCCACAGTACCTTCCAGTGTGCCGAACTTTAAACACTTCGAGATTTTACCGT 900
Qy      301 SerAsnProGluGlnIleAsnGlnIleHisAsnGlnSerLeuProGlnIleAlaArg 320
Db      901 AGCAATCCAGAACAGATTATGAAATTCACAAATCAAGTTTGCACAGAAATTCGACAG 960
Qy      321 HisCyMetValGlnAlaArgLeuLeuAlaTyrrArgThrGlyGlyIleUmeHisArgSer 339
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RESULT 3

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US-09-802-371-1
; Sequence 1, Application US/09802371
; Patent No. US20010036649A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Rudolph-Owen, Laura
; TITLE OF INVENTION: 26934, A No. US20010036649A1el Cytidine Deaminase-Like
; FILE REFERENCE: 35800/213921
; CURRENT APPLICATION NUMBER: US/09/802,371
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/188,294
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 1
; LENGTH: 1585
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: CDS
; LOCATION: (149) ... (1165)
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1585)
; OTHER INFORMATION: n = A,T,C or G
US-09-802-371-1

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Alignment Scores:

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Pred. No.: 2,31e-212 Length: 1585
Score: 1755.00 Matches: 339
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 100.0% Indels: 0
DB: 3 Gaps: 0

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US-10-785-135-2 (1-339) x US-09-802-371-1 (1-1585)

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Qy      21 ThrGlnThrGlySerMetThrGlyGlnIleProArgLeuSerLysValAsnLeuPheThr 40
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Qy      41 LeuLeuSerLeuThrPheMetGlyLeuPheProAlaGlnAlaGlnArgGlnLysSerGlnLys 60
Db      269 CTGCTCAGGCTCTGATGAGAGCTCTTTCCAGCAGAAAGCCAGCGGCAAAATCTCAGAAA 328
Qy      61 AsnGluGluGlyLysHisGlyProLeuGlyAspAsnGluGlnArgThrArgValSerThr 80
Db      329 AATGAAAGGAGGAAACATGACCTTAGAGATATGAAAGAGGACCGAGATATCTACT 388
Qy      81 AspLyserGlnValLysArgThrGlyLeuValValLysAsnMetLysIleValGly 100
Db      389 GACAAAGACAGTAAAGAACTGCTCTGTGTGTGTAABAAACATGAAATTTGGT 448
Qy      101 LeuHisCySerSerGlnAspLeuHisAlaGlyGlnIleAlaLeuIleLysHisGlySer 120
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Qy      121 ArgLeuLysAsnCyAspLeuTyrrPheSerArgLysProCySerAlaCySerLeuMet 140
Db      509 AGGCTGAAAAACTGTGATCTTTATTTTCCAGAAACCATGTCTGCTTGTGTGAAAATG 568
Qy      141 IleValAsnAlaGlyValAsnArgLyseryrrTrpProAlaAspProGlnIleSerLeu 160
Db      569 ATGTGAAATGCTGGAGTTAACGAAATTCATACGCGCTGATCCAGAAATTAATTTTG 628
Qy      161 LeuThrGlnAlaSerSerSerGlnAspAlaLysLeuAspAlaLysAlaValGlnArgLeu 180
Db      629 CTACGAGAGGCTTCAAGTTCTGAATGCAAGTAAAGTTAGATCCAAAGCAGTGAAGACATTG 688
Qy      181 LysSerAsnSerArgAlaHisValCySvalLeuGlnProLeuValCySerMetVal 200
Db      689 AAGTCAAAACAGTCGGGCCCATGTGTGTCTTCACTCAACCTTGTGTGTATATAGTG 748
Qy      201 GlnpheValGluGlnThrseryLyScyAspPheIleGlnlysiIethrlystrLeu 220
Db      749 CAGTTGTAGAGGAGACCTCTTCAAAATGTGACTTTATTCAAAATAATTCAAAACATTG 808
Qy      221 ProAspAlaAsnThrAspPheTyrrYrGluCyLyGlnGlnLysGlyIlelysglyYrGlu 240
Db      809 CCGGATGCTACACGACTTTTATGATGATTAACAAGAAATGAAATGAAATGAA 868
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Db      929 GAGAACCTGTGTGAAATCCATCTTTAGCAATCTAAGGCAAAACATGAAAGCCTTATC 988
Qy      281 LeuLeuLeuAlaThrValAlaSerSerValProAsnPhelyshIspheGlyPheTyrrArg 300
Db      989 CTACTTTTGGCCACAGTACCTTCCAGTGTGCCGAACTTTAAACACTTCGATTTTACCGT 1048
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Db      1049 AGCAATCCAGAACAGATTATGAAATTCACAAATCAAGTTTCCACAGGAAATTCGACAG 1108
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RESULT 4

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; Publication No. US20040142375A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Rudolph-Owen, Laura
; TITLE OF INVENTION: 26934, A Novel Cytidine Deaminase-Like
; FILE REFERENCE: 35800/213921
; CURRENT APPLICATION NUMBER: US/09/802,371
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/188,294
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 1
; LENGTH: 1585
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: CDS
; LOCATION: (149) ... (1165)
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1585)
; OTHER INFORMATION: n = A,T,C or G
US-10-785-135-1

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FILE REFERENCE: 35800/213921
CURRENT APPLICATION NUMBER: US/10/785,135
CURRENT FILING DATE: 2004-02-24
PRIOR APPLICATION NUMBER: US/09/802,371
PRIOR FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/188,294
PRIOR FILING DATE: 2000-03-10
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 1585
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (149)...(1165)
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1585)
OTHER INFORMATION: n = A,T,C or G
US-10-785-135-1

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Alignment Scores:
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Score: 1755.00 Matches: 339
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Best Local Similarity: 100.0% Mismatches: 0
Query Match: 100.0% Indels: 0
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US-10-785-135-2 (1-339) x US-10-785-135-1 (1-1585)

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QY 21 ThrGlnThrGlySerMetThrGlnGlnLeuProArgLeuSerLysValLeuLeuPheThr 40
DB 209 ACCGAGCTGGAGAGTACGACCGGTCAAGATACCAAGCTTTCTTAAGTCAACCTTTTCACT 268
QY 41 LeuLeuSerLeuThrPheMetGluLeuPheProAlaGluAlaGlnArgGlnLysSerGlnLys 60
DB 269 CTGCTCAGCTCTGAGATGAGCTCTTTCCAGCAAGCCAGCGCGCGCGCGCGTCAAGTACG 328
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DB 389 GACAAAAGACAGGTAAAGACACTGCTGTGTGTGTAAGAAAACATGAAATTTGTTGCT 448
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DB 449 CTCACACTGTTCTGATGAAATTTACATCCGCGCGCGCGCGCGTCTTATTAACATGGGTCA 508
QY 121 ArgLeuLysAsnCysAspLeuLysPheSerArgLysPheProCysSerAlaCysLeuLysMet 140
DB 509 AGCGTGAAGAACTGTGATCTTTATTTTCCAGAAAACATGATCTGCTGTTTGAAGATG 568
QY 141 IleValHisAlaGlyValAlaAlaArgLysSerLysThrProAlaAspProGluLysSerLeu 160
DB 569 ATGTGAATCTGTGAGATTAACCGAATTTCACTACGCGCTCTGATCCAGAAATGAGTTTG 628
QY 161 LeuThrGluAlaSerSerSerGluAspAlaLysLeuAspAlaLysValAlaGluArgLeu 180
DB 629 CTTACGAGGCTTCTTACTGATGAGATCAAAATTTAGATCCCAAGACAGCGAGAAAGTTG 688
QY 181 LysSerAsnSerArgAlaHisValCysValLeuLeuGlnProLeuValCysTyrMetVal 200
DB 689 AAGTCAAAGAGTGGCGCGCGCGCGCGTGTCTTACTTCAACCTTGGGTGTATATAGTGTG 748
QY 201 GlnPheValGluGlnThrSerLysCysAspPheIleGlnLysIleThrLysThrLeu 220

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DB 749 CAGTTGTAGAGAGACCTCTTACAAATGTGACTTATTCAAAAATTTACAAAACATTG 808
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DB 809 CCGGATGCTAACACATGACTTTTATTTATGATATTAACAGAAAGATTAAGATTTGAA 868
QY 241 MetLeuPheLeuValSerAsnGlnGluMetHisLysGlnIleLeuMetThrIleGlyLeu 260
DB 869 ATGTATTTTGTGTTCAATGAAATGCAATATGCAATATCTGATGACTTATGAGTTTG 928
QY 261 GluAsnLeuCysGluAspProLysPheSerAsnLeuArgGlnAsnMetLysAspLeu 280
DB 929 GAGAACCTGTGTGAAATTCATATCTTACCAATCTTAGGCAAAACATGAAAGACCTTATC 988
QY 281 LeuLeuLeuAlaThrValAlaSerSerValProAsnPheLysHisPheGlyPheTyrArg 300
DB 989 CTACTTTTGGCCACAGTACTTCCAGTGTGCCGAACCTTTAAACATTCGATTTTACCGT 1048
QY 301 SerAsnProGlnGlnIleAsnGlnLysHisAsnGlnSerLeuProGlnGlnIleAlaArg 320
DB 1049 ACCAATCCAGAACAGATTTATGAAATTCACAAATGTTTCCACAGGAAATTTGCAAG 1108
QY 321 HisCysMetValGlnAlaArgPheLeuAlaTyrArgThrGlyLeuHisArgSer 339
DB 1109 CACTGCATGTGTTCAAGCGCAGGTTATTGGCAATTCGAACTGGTGAATTTACATGATCG 1165

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RESULT 5

US-09-822-846-332
Sequence 332, Application US/09822846
Publication No. US2003002739A1

GENERAL INFORMATION:
APPLICANT: Jacobs, Kenneth
APPLICANT: McCoy, John M.
APPLICANT: Lavallee, Edward R.
APPLICANT: Collins-Racie, Lisa A.
APPLICANT: Evans, Cheryl
APPLICANT: Merberg, David
APPLICANT: Treacy, Maurice
APPLICANT: Agostino, Michael J.
APPLICANT: Steinger II, Robert J.
APPLICANT: Bowman, Michael R.
APPLICANT: Spaulding, Vikki
APPLICANT: Wong, Gordon G.
APPLICANT: Clark, Hilary
APPLICANT: Fectel, Kim
APPLICANT: Howes, Steven H.
APPLICANT: Resnick, Richard J.
APPLICANT: Gulukota, Kamalakara
APPLICANT: Graham, James R.
APPLICANT: Genetics Institute, Inc.
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS

FILE REFERENCE: GIN 6400
CURRENT APPLICATION NUMBER: US/09/822,846
PRIOR FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/195,605
PRIOR FILING DATE: 2000-04-06
NUMBER OF SEQ ID NOS: 629
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 332

LENGTH: 2029
TYPE: DNA
ORGANISM: Homo sapiens
US-09-822-846-332

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Score: 1120.50 Matches: 216
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Best Local Similarity: 97.3% Mismatches: 3
Query Match: 63.8% Indels: 1
Gaps: 1

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 PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661
 NUMBER OF SEQ ID NOS: 672
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 25
 LENGTH: 1555
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: SITE

LOCATION: (1248)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: SITE
 LOCATION: (1389)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: SITE
 LOCATION: (1391)
 OTHER INFORMATION: n equals a,t,g, or c
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 LOCATION: (1393)
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 NAME/KEY: SITE
 LOCATION: (1396)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: SITE
 LOCATION: (1551)
 OTHER INFORMATION: n equals a,t,g, or c
 US-09-983-802-25

Alignment Scores:
 Pred. No.: 3,276-86 Length: 1555
 Score: 767.00 Matches: 195
 Percent Similarity: 41.1% Conservative: 13
 Best Local Similarity: 38.5% Mismatches: 31
 Query Match: 43.7% Indels: 267
 DB: 3 Gaps: 7
 US-10-785-135-2 (1-339) x US-09-983-802-25 (1-1555)

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 8 GTGGGCGATGATCAAAATCTGGAGGCGGAGCGCGGCGGTCACTGCACCCAGACT 67
 24 GlySerMetThrGlyGlnIleProArgLeuSerIlyValAsnLeuPheThrLeuLeuSer 43
 68 GGCACATGACCGGTCAGATACCAAGCTTCTTAAGTCAACTTTCACCTGCTGCACG 127
 44 LeuTyrMetGlnLeuPheProAlaGlnValGlnIlySerGlnIlyAsnGlnIly 63
 128 CTCTGGATGAGACTCTTTCACAGAAAGCCGCGCAAAATCTCAGAAAATGAAAG 187
 64 GlyLysHisGlyProLeuGlyLysAsnGlnIlyArgThrArgValSerThrAspLysArg 83
 188 GGAAGACATGACCTTACGAGATTAATGAGAGAGACCAAGATCTACTGCAAAAG 247
 84 Gln----- 84
 248 CAGATTACTGGAGACGACTAGATGCTTATGAAAGGTTTACATCACTGCTGTTAG 307
 84 ----- 84
 308 GAAATGATTATGAGAACTGCAAGAGGAGGAAATGCAACCGGAGAAACACTCT 367
 85 ----- 85
 368 GATATGAGTTGAGGCTTCAAAATTCCTTTCAGACATTAACCAACAGAGAGCAGGACT 427
 88 Thr----- 88
 428 ACCAGGAGTGTGATGAATGTTATTGTTAAGTACAGACTTTTATGTTACATCAATTAT 487
 89 ----- 89
 488 TTGAAGGTAGAACACTCTGTGGGCTCTCTTCTTCTTCTTCTGAGTCAATACAA 547
 93 IlyAsnMetLysIleValGlyLeuHis-----ValLysArg 93
 548 AAAAATCTCTCTGCTGAATTAATTCATGACATGACAAAGGCTCTTTGTTATAA 607
 103 -CysSerSerGlnAspLeuHisAlaGlyGlnIleAlaLeuIleLysHis----- 118
 608 CTGTCATTAATGAGCAACATTTGTGTTACTTAAGTATGAGCATTCATCTGCTCA 667

118 ----- 118
Db 668 ATTCAAAATCAAAATTAATTTTTCACATTGTTATCTGTTATGTTTCTCTTT 727
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Db 728 ACAATTGCTGTCGATCTTTTGTCTCTTTAGCCTTATCTGTCATTCATAT 787
119 ---GlySerArgLeuLys----- 123
Db 788 GGGCTCAATGAATGAATGAATTTTCTGATATTAACATTAACTTCTCTGTCA 847
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124 ----- 125
Db 1028 ACCATTCCTCATTTTGGTCATTAGTTGGGTTGGGTTTGGTTTGTGTTTAAAGT 1087
125 saePseuTyRphseArgLysProCysSerAlaCys----- 137
Db 1088 CTTCGCTGTGATTTTAAAGATGCTGCACATAATGTAATGCTTGAGATTTCTCTCG 1147
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Db 1268 AATTAAGTTGCTTACGAGAGCTTCTAGTTCTGAAGATGCAAAATTGATGCCAAACAGT 1327
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197 sTyRmetValGlnPhenValGlnGlnIuThSerTyRlysCysAspPheIleGlnLysIleTh 217
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217 rlySerLeuProAspAlaAsnThrAspPheTyRtyGluCysValGlnGlnIuArgIleLys 237
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237 sgluTyRgluMetLeu 242
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 25
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: SITE

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2 NAME/KEY: SITE
3 LOCATION: (1389) OTHER INFORMATION: n equals a,t,g, or c
4 NAME/KEY: SITE
5 LOCATION: (1391) OTHER INFORMATION: n equals a,t,g, or c
6 NAME/KEY: SITE
7 LOCATION: (1393) OTHER INFORMATION: n equals a,t,g, or c
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9 LOCATION: (1396) OTHER INFORMATION: n equals a,t,g, or c
10 NAME/KEY: SITE
11 LOCATION: (1551) OTHER INFORMATION: n equals a,t,g, or c
12 OTHER INFORMATION: n equals a,t,g, or c
13 JS-09-984-490-25

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Pred. No.:	3,27e-86
Score:	767.00
Percent Similarity:	41.1%
Best Local Similarity:	38.5%
Query Match:	43.7%
DB:	3
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Matches:	195
Conservative:	13
Mismatches:	31
Indels:	267
Gaps:	7

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 PRIOR APPLICATION NUMBER: 60/058,660
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 PRIOR FILING DATE: 1997-09-12
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 ORGANISM: Homo sapiens

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 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc feature
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 LOCATION: (1393)..(1393)
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 NAME/KEY: misc feature
 LOCATION: (1551)..(1551)
 OTHER INFORMATION: n equals a,t,g, or c
 US-09-973-278-37

Alignment Scores:
 Pred. No.: 3,276-86 Length: 1555
 Score: 767.00 Matches: 195
 Percent Similarity: 41.1% Conservative: 13
 Best Local Similarity: 38.5% Mismatches: 31
 Query Match: 43.7% Indels: 267
 Gaps: 7
 US-10-785-135-2 (1-339) x US-09-973-278-37 (1-1555)

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 Db 8 GCTGGCAGATGACAAATCTGAGAGCGGAGGCGGCGGTCTGCTGACGACCCAGACT 67
 QY 24 GlySerMetThrGlyGlnIleProArgLeuSerValAsnLeuPheThrLeuLeuSer 43
 Db 68 GGCAGCATGACCGGTCATACATCAAGGCTTTCTAAGTCACACTTTCTGCTGCTGAC 127
 QY 44 LeuTyrMetGluLeuPheProAlaGluAlaGlnArgGlnLeuSerGlnIleAsnGlnIu 63
 Db 128 GCTGCGATGAGAGCTCTTCCAGCAGAAAGCCGCGGCAAAATCTCAGAAATGAAAG 187
 QY 64 GlyLeuHisGlyProLeuGlyAspAsnGlnGluArgThrArgValSerThrAspArg 83
 Db 188 GGAAGCATGACCCCTTGAAGATATGAAAGAGACAGAGTATCTGACAAAGA 247
 QY 84 Gln----- 84
 Db 248 CAGGATTCTGGAGACAGCTAAGATGCTTATGAAAGTTTACCATCACTGCTGTTAG 307
 QY 84 ----- 84
 Db 308 GAATGATTATGAACTCGAAGAGAAAGTAAATGCAACCGAGAAACACTCT 367
 QY 85 -----ValIleArg 87
 Db 368 GATATGAGTTTGAAGCCTTCATAATGCTTTCAGCATTAAGCCAGTGAAGTCAAGGT 427
 QY 88 Thr----- 88
 Db 428 ACCAGGAGTGAATGATGTTTATTTTCTTAAGTGAACCTTTTATGATTCATCATATT 487
 QY 89 -----GlyLeuValVal-Val 93
 Db 488 TTGAAGGTAGAACACTGTCGGCTCTCTTCTTATTTCTTCTGGAACATCACAAA 547
 QY 93 LlyAsnMetCysIleValGlyLeuHis----- 102
 Db 548 AAAAATCTCTCCAGTGAATTAATGACAGTACGACGAGGCTCTTTGTTATTA 607
 QY 103 -CysSerSerGluPheLeuHisAlaGlyGlnIleLeuLeuIleLeuHis----- 118

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Qy      118 -----
Db      668 ATTCTAAATACAAATTAATAATATTTTTCACATTGTATCCGTATATGTTTCTCTTT 727
Qy      118 -----
Db      728 ACAATATGTCCTGTCCTATCTTTTGTCTCTTTAGGCTTATCTCTGCAATCATAT 787
Qy      119 ----GlySerArgLeuLys-----
Db      788 GTGCTCTAATGAATGAATAATTTTCTGTATTAACAATTACTAACCTTCTCTGTCA 847
Qy      123 -----
Db      848 CACTGATGAAAAATGATCATTTAGTTGTGTGTCTTTATTTTGAAGCTTAA 907
Qy      123 -----
Db      908 AAAGTTAATATGCCCCCTGACACACATCCCAACATACATAGAAATTTTTCATGTAT 967
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Db      968 AAATTTCTGTGACATATTTGATTAACCTGTTTATTAAGAGAGACCATATTAATCA 1027
Qy      124 -----
Db      1028 ACCATTCCTCATTTTGTGATTTAGTTTGGTTGGTTGGTTTGTGTTTAAACG 1087
Qy      125 -----
Qy      125 sAspleuTyrrpneSerArgLysProCyseSerAlaCyS-----
Db      1088 CTTTGCTTCTATTTTAAAGAAATGCTCAATAATGTGAATGCTGATTTCTCTCG 1147
Qy      138 -----
Qy      138 -----LeuysMetIleValAsn-----
Db      1148 TATTTAGAAATTTTCTAGAAATGATCTCAGAAATTTCTCAGCTGTGAGAGAAC 1207
Qy      144 -----
Qy      144 -----AlaGlyValAsnArgIleSerTyrrpProAlaAspProG 157
Db      1208 ATTTTATGATGAAAGAGCTGTGAGTGAACCGAATTTTCNNACTGCCCTGATCAGACA 1267
Qy      157 -----
Qy      157 uIleSerLeuLeuThGluAlaSerSerGluAlaValLeuAlaValAlaValAla 177
Db      1268 AATAAGTTTGTCTTACGAGAGCTTCTAGTCTGAAAGTGAACAAATGTAGTCCAAAGCAG 1327
Qy      177 -----
Qy      177 IgLuArgLeuLysSerAsnSerArgAlaHisValCysValIleuLeuGlnProLeuValCy 197
Db      1328 GGAAGATTGAACTCAAAACAGTGGGCCCATGTGTGTCTTACTTCAACCTTTGGTGTG 1387
Qy      197 -----
Qy      197 sTyrrMetValGlnPheValGlnGluThrSerTyrrLysCysAspPheIleGlnLysIleTh 217
Db      1388 TAAANAGNGACAGTTGTAGAGAGACCTTCAATGTGACTTATTCAAAATAATAC 1447
Qy      217 -----
Qy      217 rTyrrThrLeuProAspAlaAsnThrAspPheTyrrGluCysValGlnGluArgIleTy 237
Db      1448 AAAAAATTTGCCGAGTCTAACCTGACTTATTAATGAATGAACCAAGAAAGATAAA 1507
Qy      237 -----
Qy      237 sGluTyrrGluMetLeu 242
Db      1508 AGAATATGAAATCTTA 1523
Qy      1508 -----

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PRIOR FILING DATE: 2001-11-13
PRIOR APPLICATION NUMBER: US 60/306,171
PRIOR FILING DATE: 2001-07-19
PRIOR APPLICATION NUMBER: US 60/277,340
PRIOR FILING DATE: 2001-03-21
NUMBER OF SEQ ID NOS: 650
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 83
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1248)..(1248)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1385)..(1389)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1391)..(1391)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1393)..(1393)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1396)..(1396)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1551)..(1551)
OTHER INFORMATION: n equals a,t,g, or c
US-10-472-533-83

Alignment Scores:
Pred. No.: 3,276-86
Score: 767.00
Percent Similarity: 41.1%
Best Local Similarity: 38.5%
Query Match: 43.7%
DB: 10
Gaps: 7

US-10-785-135-2 (1-339) x US-10-472-533-83 (1-1555)
Qy      4 AlaGlyGlnMetGlnAsnLeuGluSerAlaArgAlaGlyArgSerValSerThrglnThr 23
Db      8 GCTGGGCGAGATGCAAAATCTGAGAGCGCGAGGCGCGGCTCACTCAGCACCCAGACT 67
Qy      24 GlySerMetThrGlyGlnIleProArgLeuSerLysValAsnLeuPheThrLeuLeuSer 43
Db      68 GGCACATGACCGGTCAGATACCAAGGCTTTCTAAAGTCACACCTTTCTGCTCAGC 127
Qy      44 LeuThrMetGluLeuPheProAlaGluAlaGluArgGlnLysSerGlnLysAsnGluGlu 63
Db      128 CTCTGATGAGAGCTCTTTTCCAGACAGCCGCGCAAAAATCTCAGAAAATGAGAG 187
Qy      64 GlyLysHisGlyProLeuGlyAspAsnGluGluArgGlnLysSerThrglnLysArg 83
Db      188 GGAAGCATGACCCCTTGAAGATATGAAGAGAGCAAGAGTATCTATGACAAAGAA 247
Qy      84 Gln-----
Db      248 CAGAGTACTGGAGACACTAAGATGCTATATGAAGGTTTACATCACTGCTGTAG 307
Qy      84 -----
Db      308 GAATGATTAATGAGAACTCGAACAGAGGAAAGTGAAATGCAACCGAGGAAACACTCT 367
Qy      85 -----ValLysArg 87

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Db      368 GATATGAGTTTGAAGCCTTCAAAATTCCTTGACAGATAGCAGATCAGAGCT 427
Qy      88 TTT-----
Db      428 ACCAGGAGTGTAGATGATTTATTTGTTAACTGAGACTTTTAGTCATCAATTAT 487
Qy      89 -----GlyLeuValVal-Va 93
Db      488 TTGAAGGAGTAGAACACTCTGTGGGCTCTCTTCTATTTCTCTGTGGGTCAATCAGAAA 547
Qy      93 llysaammetlye11eva1glyleuhis----- 102
Db      548 AAAAATCTCTCTAGCTGAATTTACATGACAGTACAGCAAGGCTCTTTGTATAAA 607
Qy      103 -CySerSerGluAspLeuHis1a1a1gly1ni1e1a1leu1lelyshis----- 118
Db      608 CTGTTCATTAATTAAGCAACATTTGTGTACTTAATGATTAAGGATCTCATCTGTCA 667
Qy      118 ----- 118
Db      668 ATTTCAAATACAAATTAATAATTTTTCACATTTGTATCTGTATGTTTTCTCTTT 727
Qy      118 ----- 118
Db      728 ACAATTTCTGTCTGTCTATCTTTTGTCTCTTGTAGCCTTATTTCTGTCAATTCATAT 787
Qy      119 ----GlySerArgLeuLys----- 123
Db      788 GTGCTCTAATGATTTGAATATTTTGTGTATTAACAATTACTTAACCTTCTCTGTCA 847
Qy      123 ----- 123
Db      848 CACTGATGAAAAATGATCTATTTAGTTGTGTGTGTCTTAAATTTGTAGACTTTAA 907
Qy      123 ----- 123
Db      908 AAAGTTAATATTCCTTCAGACACATCCCAACATCATAAGAAATTTTTCATGTAT 967
Qy      123 ----- 123
Db      968 AATTTCTTTGTGACATATTTGATTAATCTTTTATTATAGAGAGACCATATTAATTC 1027
Qy      124 -----AsnCy 125
Db      1028 ACCATTCCTCTATTTTGTCTATTTAGCTTTTGGCTTTGGCTTTTGTGTTTAACTG 1087
Qy      125 saspleuTyRphSerArgLysProCySerAlaCys----- 137
Db      1088 CTTTGTCTGTATTTAAAGAAATGCTGACATAATGTGAATGCTTGAGATTTCTCTCTG 1147
Qy      138 -----LeuLysMet11eValAsn----- 143
Db      1148 TATTAGAAATTTTCTAGATGATTTCTCAGAAAGATTTCTCAGCTGTGAGAGAGAAC 1207
Qy      144 -----AlaGlyValAsnArg11eSerTyRTPProAlaAspProG1 157
Db      1208 ATTTTAAATGATGAGAGAGCTGTGAGTGAACCAATTTCCNACTGCTGCTATCAAGA 1267
Qy      157 u11eSerLeuLeuThGluAlaSerSerSerGluAspAlaLysLeuAspAlaLysAlaVa 177
Db      1268 AATTAAGTTTGTCTTCAAGAGCTCTTCTAGTTCTGAAGATGCAAACTTGAAGTCCAAAGCA 1327
Qy      177 lgluatgLeuLysSerAsnSerArg1a1a1sval1CysVal1LeuLeuGlnProLeuValCy 197
Db      1328 GGAAATATTTGAATCAAAAGCTGGGCGCCATGTGTGTCTTACTTCAACCTTTGGGTG 1387
Qy      197 sTyRmetValGlnPheValGlnGluThrsertyRly6CyAspPhe11eGlnLys11eTh 217
Db      1388 TANNANGANGCACTTTGTAGAGAGACCTTCAATGATGACTTTATTCAAAATTTAC 1447
Qy      217 rlysthrLeuProAspAlaAsnThrsAspPheTyRlyGlnCysValGlnGluArg11eLys 237
Db      1448 AAAAACATTTGCCGAGTGTACACTGACTTTTATTATGAAATGTAACAAAGAAATTA 1507

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Qy      237 sglutyRgluMetLeu 242
Db      1508 AGAATATGAATGTTA 1523

RESULT 11
US-11-021-492-515
; Sequence 515, Application US/11021492
; Publication No. US20060031947A1
; GENERAL INFORMATION:
; APPLICANT: Abidin, Alejandro
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sande, Arthur T.
; TITLE OF INVENTION: Novel Mutated Mammalian Cells and
; FILE REFERENCE: Lex-0368-USA
; CURRENT APPLICATION NUMBER: US/11/021,492
; PRIOR FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: US 60/307,670
; NUMBER OF SEQ ID NOS: 698
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 515
; LENGTH: 489
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 183, 206
; OTHER INFORMATION: n = A, T, C or G
US-11-021-492-515

Alignment Scores:
Pred. No.: 1,53e-80 Length: 489
Score: 716.00 Matches: 145
Percent Similarity: 93.2% Conservative: 5
Best Local Similarity: 90.1% Mismatches: 9
Query Match: 40.8% Indels: 3
DB: 16 Gaps: 0

US-10-785-135-2 (1-339) x US-11-021-492-515 (1-489)
Qy      84 GlnValLysArgThGlyLeuValValLysAsnMetLys11eVal1GlyLeuHisCys 103
Db      2 GAGGTGACCAAAAGCTGTGTGTGTGTGTGA-AACATGAATCATTTGGCTTCACTGC 60
Qy      104 SerSerGluAspLeuHis1a1a1gly1ni1e1a1leu1lelyshis1GlySerArgLeuLys 123
Db      61 TCCAGTGAAGACTTACATCTGCGCAATTTGCTCTATTAGCATGCGTCCAGCGTGA 120
Qy      124 AsnCyAspLeuTyRphSerArgLysProCySerAlaCysLeuLysMet11eValAsn 143
Db      121 AACTGTGATCTTATTTTCAAGAAACCATGTTCTGCTTTGAAATGATAGTGAAT 180
Qy      144 Ala-GlyValAsnArg11eSerTyRTPProAlaAspProGln11eSerLeuThG 163
Db      181 GGNATGAGTAAACCAATTTCTTACNTGSCCTTCTGACCCAGAAATAGTTGCTCACTG 240
Qy      163 lylAsSerSerSerGluAspAlaLysLeuAspAlaLysAlaValGluArgLeuLysSer 183
Db      241 AGCTTCTTGTCTTGAAGTGCAGAGCTTGAAGTCCAAAGCCGAGAAAGTTGAAGTCA 300
Qy      183 snSerArg1a1a1sval1CysVal1LeuLeuGlnProLeuValCyTyRmetValGlnPhe 203
Db      301 ACAGCGGCGCCATGTGTGTCTTACTTCAACCGTGTGTGTATCATGTGCAAGTTTG 360
Qy      203 a1GlnGluThrsertyRly6CyAspPhe11eGlnLys11eThrLysThrLeuProAsp 223
Db      361 TGAAGAAACCTTCAATGATGACTTTATTCAGAAACTGCAGAAAGCTTCCGGGTG 420
Qy      223 lAsnThrsAspPheTyRlyGlnCysLysGlnGluArg11eLysGlnTyRgluMetLeu 242
Db      421 CTGACATGATTTTATTCTGAAATGTAACAAAGAAATTAAGATGTAATGTA 479

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RESULT 12
US-10-475-075-601
; Sequence 601, Application US/10475075
; Publication No. US20060053498A1
; GENERAL INFORMATION:
; APPLICANT: Benjamin, Stephanie
; APPLICANT: Tanaka, Hiroaki
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Jobert, Severin
; APPLICANT: Giordano, Jean-Yves
; TITLE OF INVENTION: Full-length human cDNAs encoding potentially secreted proteins
; FILE REFERENCE: G-0810503PCT
; CURRENT APPLICATION NUMBER: US/10/475,075
; CURRENT FILING DATE: 2003-10-17
; PRIOR APPLICATION NUMBER: PCT/IB01/00914
; PRIOR FILING DATE: 2001-04-18
; NUMBER OF SEQ ID NOS: 918
; SOFTWARE: Patent.pm
; SEQ ID NO 601
; LENGTH: 529
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: 124..528
; FEATURE:
; NAME/KEY: Unsure
; LOCATION: 145..147
; OTHER INFORMATION: Xaa = Gln or Glu
; FEATURE:
; NAME/KEY: Unsure
; LOCATION: 310..312
; OTHER INFORMATION: Xaa = Glu or Gly
; FEATURE:
; NAME/KEY: Unsure
; LOCATION: 520..522
; OTHER INFORMATION: Xaa = His or Pro
US-10-475-075-601

Alignment Scores:
Pred. No.: 1,45e-72 Length: 529
Score: 654.00 Matches: 129
Percent Similarity: 97.7% Conservative: 0
Best Local Similarity: 97.7% Mismatches: 3
Query Match: 37.3% Indels: 0
DB: 11 Gaps: 0

US-10-785-135-2 (1-339) x US-10-475-075-601 (1-529)
QY 1 MetLySGlUaIaGlyGImetGlnAsnLeuGluSerAlaArgAlaGlyArgSerValSer 20
DB 124 ATGAAGAAGAGCTGGGAGATGAGAAATCTGGAGAGCGGCGGCGGCGGTCAAGTCAGC 183
QY 21 ThGlnThGlySerMetThGlyGlnIleProArgLeuSerIlyValAsnLeuPheThr 40
DB 184 ACCCAAGACTGGCAGCATGACCGGTGATGATCAAGGCTTTCTAAGTCAACCTTTTCACT 243
QY 41 LeuLeuSerLeuTrpMetGluLeuPheProAlaGlnAlaGlnArgGlnIlySerGlnIly 60
DB 244 CTCTCAGGCTCTGGAGTGGAGCTCTTCCAGCAGAGCCCGGCGGCGGCGGCGGCGGCGGCGG 303
QY 61 AsnGluGluGlyIlyShiSgLYProLeuGlyAspAsnGluGlnArgGlnIlySerThr 80
DB 304 AATGAGAGGGAAGAGATGAGACCTTATGAGATATGAGAGAGAGGAGACCGAGATATCTACT 363
QY 81 AspLysArgGlnValIlyValGlnArgIlyLeuValIlyValIlySerMetIlyValGly 100
DB 364 GACAAAAGACAGGTAAAGAGAACTGCTGTGTGTGTGAAAAACATGAAATTTGTGTGT 423
QY 101 LeuHicYSerSerGluAspLeuHicAlaGlyGlnIleAlaLeuIleIlyShiSgLYSer 120
DB 424 CTCACCTGTTCTTCTAGTAAAGATTATCATGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 483

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QY 121 ArgLeuIlyAsnCYasPLeuIlyrPheSerArgIlyS 132
DB 484 AGGCTGAAAAGAACTGTGATCTTATTTTCCAGAAAAA 519

RESULT 13
US-09-969-034-951
; Sequence 951, Application US/09969034
; Publication No. US20040110668A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Astle, Jon H.
; APPLICANT: Carroll, Eddie III
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dwiwedi, Poornima
; APPLICANT: Molino, Gary A.
; APPLICANT: Thigalingam, Arunthathi
; APPLICANT: Lewis, Marcia E.
; TITLE OF INVENTION: Nucleic Acid Sequences Differentially
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 951
; LENGTH: 562
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc. feature
; LOCATION: 264, 348, 367, 413, 419, 422, 431, 450, 470, 500, 502, 508,
; LOCATION: 517
; OTHER INFORMATION: n = A,T,C or G
US-09-969-034-951

Alignment Scores:
Pred. No.: 2.3e-44 Length: 562
Score: 433.50 Matches: 118
Percent Similarity: 81.7% Conservative: 7
Best Local Similarity: 77.1% Mismatches: 14
Query Match: 24.7% Indels: 14
DB: 3 Gaps: 1

US-10-785-135-2 (1-339) x US-09-969-034-951 (1-562)
QY 1 MetLySGlUaIaGlyGImetGlnAsnLeuGluSerAlaArgAlaGlyArgSerValSer 20
DB 111 ATGAAGAAGAGCTGGGAGATGAGAAATCTGGAGAGCGGCGGCGGCGGTCAAGTCAGC 170
QY 21 ThGlnThGlySerMetThGlyGlnIleProArgLeuSerIlyValAsnLeuPheThr 40
DB 171 ACCCAAGACTGGCAGCATGACCGGTGATGATCAAGGCTTTCTAAGTCAACCTTTTCACT 230
QY 41 LeuLeuSerLeuTrpMetGluLeuPheProAlaGlnAlaGlnArgGlnIlySerGlnIly 60
DB 231 CTGCTCAGGCTCTGGATGAGAGCTTTCCAGCAGAAAGCCCGGCGGCGGCGGCGGCGGCGG 290
QY 61 AsnGluGluGly--LysHicSgLYProLeuGlyAspAsnGlu--GluArgThr--ArgValSe 79
DB 291 AATGAGAGGGAAGAGATGAGACCTTATGAGATATGAGAGAGAGAGAGAGAGAGAGAGAGAT 350
QY 79 rThraSP--LysArgGlnValIlyS--ArgThrGlyLeuValIly--ValIlySAsnMetIlyS 98
DB 351 TACTGACAAAAGAGACATGAAAGAAAAGAACTGCTCTGTGTGTGTGAAAAACATTAAAT 410
QY 98 e-ValGlyLeuHicYSerSer--SerGluAspLeuHicAla--GlyGlnIleAlaLeuIle 116
DB 411 TGTGTGTGTGTGAACTGTTCTTAAAGTAAATTTTACATTCGCGGCGGCGGCGGCGGCGGCGG 470
QY 117 LysHic--GlySerArg--LeuIlySAsnCYasPLeu--TyrPheSerArgIlySProCYSer 135

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DB 471 AATCATTTGGTTAAAGGCTTAAATACTGTATTTTCCANAAAAACCATGTTT 530
QY 136 Ala-CysLeuLys 139
DB 531 GCTTTGTTTGA 543

RESULT 14
US-10-242-535A-37272
; Sequence 37272, Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 37272
; LENGTH: 218
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (20)..(20)
; OTHER INFORMATION: n is a, c, g, or t
US-10-242-535A-37272

Alignment Scores:
Pred. No.: 1,39e-37 Length: 218
Score: 375.00 Matches: 71
Percent Similarity: 98.6% Conservative: 0
Best Local Similarity: 98.6% Mismatches: 1
Query Match: 21.4% Indels: 0
DB: 8 Gaps: 0

US-10-785-135-2 (1-339) x US-10-242-535A-37272 (1-218)

QY 170 AlaIleuAspAlaIleuValGluArgLeuLysSerAsnSerArgAlaHisValCys 189
DB 1 GCAAGTTAGATGCCAAGAGTGAAGATTGAAGTCAACAGTCGGGCCCATGTGTGT 60

QY 190 ValIleuLeuGlnProIleuValCysTyrMetValGlnPheValGluGlnIleuThrSerTyrLys 209
DB 61 GTCTTACTTCAACCTTTGGTGTGTATATGTCAGCTTTGTAGAGAGACCTTTACAAA 120

QY 210 CysAspPheIleGlnLysIleThrLysThrLeuProAspAlaAsnThrAspPheTyr 229
DB 121 TGTGACTTATTCAAAAAATTACAAAAACATTGCCGATGCTTAACACTGACTTTATTAT 180

QY 230 GluCysIleGlnGluArgIleLysGluTyrGluMet 241
DB 181 GAATGTAAACAGAAAGAAATTAAGAAATGTGAATG 216

RESULT 15
US-10-085-783A-37272
; Sequence 37272, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002

; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 37272
; LENGTH: 218
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (20)..(20)
; OTHER INFORMATION: n is a, c, g, or t
US-10-085-783A-37272

Alignment Scores:
Pred. No.: 1,39e-37 Length: 218
Score: 375.00 Matches: 71
Percent Similarity: 98.6% Conservative: 0
Best Local Similarity: 98.6% Mismatches: 1
Query Match: 21.4% Indels: 0
DB: 8 Gaps: 0

US-10-785-135-2 (1-339) x US-10-085-783A-37272 (1-218)

QY 170 AlaIleuAspAlaIleuValGluArgLeuLysSerAsnSerArgAlaHisValCys 189
DB 1 GCAAGTTAGATGCCAAGAGTGAAGATTGAAGTCAACAGTCGGGCCCATGTGTGT 60

QY 190 ValIleuLeuGlnProIleuValCysTyrMetValGlnPheValGluGlnIleuThrSerTyrLys 209
DB 61 GTCTTACTTCAACCTTTGGTGTGTATATGTCAGCTTTGTAGAGAGACCTTTACAAA 120

QY 210 CysAspPheIleGlnLysIleThrLysThrLeuProAspAlaAsnThrAspPheTyr 229
DB 121 TGTGACTTATTCAAAAAATTACAAAAACATTGCCGATGCTTAACACTGACTTTATTAT 180

QY 230 GluCysIleGlnGluArgIleLysGluTyrGluMet 241
DB 181 GAATGTAAACAGAAAGAAATTAAGAAATGTGAATG 216

Search completed: September 20, 2006, 04:37:52
Job time: 1489 secs

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OM nucleic - nucleic search, using sw model

Run on: September 20, 2006, 03:42:47 ; Search time 2237.4 Seconds
(without alignments)
8704.717 Million cell updates/sec

Title: US-10-785-135-1

Perfect score: 1582.8
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Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 18892170 seqs, 6143817638 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
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Published Applications NA.Main:*

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- 10: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10E_PUBCOMB.seq:*
- 11: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10F_PUBCOMB.seq:*
- 12: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10G_PUBCOMB.seq:*
- 13: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11A_PUBCOMB.seq:*
- 14: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11B_PUBCOMB.seq:*
- 15: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11C_PUBCOMB.seq:*
- 16: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11D_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	1582.8	100.0	US-09-802-371-1	Sequence 1, Appl1
2	1582.8	100.0	US-10-785-135-1	Sequence 1, Appl1
3	1017	64.3	US-09-802-371-3	Sequence 3, Appl1
4	1017	64.3	US-10-785-135-3	Sequence 3, Appl1
5	1006.8	63.6	US-10-481-615-1	Sequence 1, Appl1
6	646.6	40.9	US-09-822-846-332	Sequence 332, App
7	516.6	32.6	US-10-475-075-601	Sequence 601, App
8	368.4	23.3	US-11-021-492-515	Sequence 515, App
9	355.6	22.5	US-09-969-034-951	Sequence 951, App
10	294	18.6	US-09-883-802-25	Sequence 25, Appl
11	294	18.6	US-09-884-490-25	Sequence 25, Appl
12	294	18.6	US-09-973-278-37	Sequence 37, Appl
13	294	18.6	US-10-472-533-83	Sequence 83, Appl
14	228.2	14.4	US-10-106-698-1661	Sequence 1661, Ap
15	217	13.7	US-10-242-535A-37272	Sequence 37272, A
16	217	13.7	US-10-085-783A-37272	Sequence 37272, A
17	182.4	11.5	US-10-357-930-21664	Sequence 21664, A

18	182.4	11.5	386	9	US-10-357-930-22703	Sequence 22703, A
19	182.4	11.5	386	9	US-10-357-930-27508	Sequence 27508, A
20	182.4	11.5	386	9	US-10-357-930-28548	Sequence 28548, A
21	182.4	11.5	390	9	US-10-357-930-11768	Sequence 11768, A
22	182.4	11.5	393	9	US-10-357-930-13342	Sequence 13342, A
23	182.4	11.5	399	9	US-10-357-930-34487	Sequence 34487, A
24	182.4	11.5	432	9	US-10-357-930-32940	Sequence 32940, A
25	182.4	11.5	432	9	US-10-357-930-41866	Sequence 41866, A
26	182.4	11.5	432	9	US-10-357-930-43346	Sequence 43346, A
27	173.2	10.9	367	9	US-10-357-930-4173	Sequence 4173, Ap
28	170.4	10.8	434	9	US-10-357-930-2599	Sequence 2599, Ap
29	95.8	6.1	85571	9	US-10-719-993-6778	Sequence 6778, Ap
30	94.8	6.0	641	12	US-10-301-480-534153	Sequence 534153, Ap
31	94.8	6.0	641	12	US-10-301-480-1147562	Sequence 1147562, Ap
32	94.8	6.0	997	12	US-10-301-480-5477122	Sequence 547122, Ap
33	94.8	6.0	997	12	US-10-301-480-1160531	Sequence 1160531, Ap
34	94.6	6.0	24810	8	US-10-367-094-145	Sequence 145, App
35	94	5.9	550	12	US-10-301-480-531367	Sequence 531367, Ap
36	94	5.9	550	12	US-10-301-480-1144776	Sequence 1144776, Ap
37	94	5.9	634	4	US-09-925-065A-819261	Sequence 819261, Ap
38	94	5.9	634	5	US-09-925-065A-819261	Sequence 819261, Ap
39	93.6	5.9	543	5	US-09-925-065A-55249	Sequence 55249, A
40	93.6	5.9	543	5	US-09-925-065A-55249	Sequence 55249, A
41	93.6	5.9	543	12	US-10-301-480-156487	Sequence 156487, A
42	93.6	5.9	543	12	US-10-301-480-169896	Sequence 169896, A
43	93.6	5.9	821	6	US-10-027-632-168343	Sequence 168343, Ap
44	93.6	5.9	821	7	US-10-027-632-168343	Sequence 168343, Ap
45	93.6	5.9	57013	6	US-10-087-192-1798	Sequence 1798, Ap

ALIGNMENTS

RESULT 1
US-09-802-371-1
Sequence 1, Application US/09802371
Patent No. US2001003649A1
GENERAL INFORMATION:
APPLICANT: Meyers, Rachel
TITLE OF INVENTION: 26934, A No. US2001003649A1 Cytidine Deaminase-Like
FILE REFERENCE: 35800/21921
CURRENT FILING DATE: 2001-03-09
PRIORITY FILING DATE: 2000-03-10
PRIORITY FILING DATE: 2000-03-10
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 1585
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (149)...(1165)
NAME/KEY: misc_feature
LOCATION: (1)...(1585)
OTHER INFORMATION: n = A,T,C or G
US-09-802-371-1

Query Match 100.0%; Score 1582.8; DB 3; Length 1585;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1584; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
2 GCGGCAAGCTTGAAGCGCTGATCGCTGAGCGCGCTTGCCTTACAGTTGCTG 61
2 GCGGCAAGCTTGAAGCGCTGATCGCTGAGCGCGCTTGCCTTACAGTTGCTG 61
62 AGAGAGGTGAGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 121
62 AGAGAGGTGAGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 121
Db 62 AGAGAGGTGAGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 121

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QY 122 TTGGCAGCAGAGGACGCTAGGTTTGGGATGAAAGACCTGGGAGATGCAAAATCTGGAG 181
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QY 182 AGGCGCAGGCGCGGCGGTCACTGACGACCCGACGATGACCGGTCAAGATCCA 241
DB 182 AGGCGCAGGCGCGGCGGTCACTGACGACCCGACGATGACCGGTCAAGATCCA 241
QY 242 AGGCTTCTAAAGCAACCTTTTCACTGCTGACGCTCGAGTGAAGCTCTTCCAGCA 301
DB 242 AGGCTTCTAAAGCAACCTTTTCACTGCTGACGCTCGAGTGAAGCTCTTCCAGCA 301
QY 302 GAAGCCAGCGGCAAAAATCTCAGAAAATGAAAGAGGAAAGATGAGACCTTAGAGAT 361
DB 302 GAAGCCAGCGGCAAAAATCTCAGAAAATGAAAGAGGAAAGATGAGACCTTAGAGAT 361
QY 362 AATGAGAGAGGACGAGATATCTGACGACAAAGACAGTTAAAGAACTGCTTTG 421
DB 362 AATGAGAGAGGACGAGATATCTGACGACAAAGACAGTTAAAGAACTGCTTTG 421
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DB 422 GTGGTGAAGAAATGTTGGTCTCAGCTGTTCTAGTGAAGTTTACATGCGGG 481
QY 482 CAGATTGCTCTTATTAACAATGGGTCAGGCTGAAAACTGTATCTTTATTTTCCAG 541
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DB 542 AAACCATGTTCTGCTTTTGAAGAAATGATGTAATCTGAGATTAACCAATTTCAATC 601
QY 602 TGGCTGCTGATCAGAAATTAAGTTTCTTACGAGGCTCTAGTCTGAAAGTGAAG 661
DB 602 TGGCTGCTGATCAGAAATTAAGTTTCTTACGAGGCTCTAGTCTGAAAGTGAAG 661
QY 662 TTGATGTCAGAAAGCAGTGAAGATGTAAGTCAAAAGTGGGCGCATGTGTCTTA 721
DB 662 TTGATGTCAGAAAGCAGTGAAGATGTAAGTCAAAAGTGGGCGCATGTGTCTTA 721
QY 722 CTTCACCTTGGTGTCTTATATGTCGCAATTTGTGAAGAGACCTCTTCAAAATG 781
DB 722 CTTCACCTTGGTGTCTTATATGTCGCAATTTGTGAAGAGACCTCTTCAAAATG 781
QY 782 TTATTCAAAAAATTAACAAAAAATGCGGATGCTACACTGACTTTTATGATGT 841
DB 782 TTATTCAAAAAATTAACAAAAAATGCGGATGCTACACTGACTTTTATGATGT 841
QY 842 AAACAGAAAGAAATTAAGAAATGAAATGTAATTTTGGTTTCAATGAAGAAATG 901
DB 842 AAACAGAAAGAAATTAAGAAATGAAATGTAATTTTGGTTTCAATGAAGAAATG 901
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DB 902 AAGCAATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 961
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DB 962 CTAAGGCAAAACATGAAGACCTTATCTTCTTGGCAGACAGTAGCTTCAGTGGCC 1021
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QY 1082 CAAAGTTTGGCAGAGAAATTTGCAAGGACATGCAATGTTGAGGCGAGGTAATGG 1141
DB 1082 CAAAGTTTGGCAGAGAAATTTGCAAGGACATGCAATGTTGAGGCGAGGTAATGG 1141
QY 1142 CGAAGCTGTAGTTACATAGATGTAATTTGGGCTGATGTTGGTTGTATTTGTCTC 1201
DB 1142 CGAAGCTGTAGTTACATAGATGTAATTTGGGCTGATGTTGGTTGTATTTGTCTC 1201
QY 1202 TGAAGTGTCTCTCATTTATGTAAGTTCATTTACTCATTTACTTAAGTTTGTCTG 1261

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DB 1202 TGAAGTGTCTCTCATTTATGTAAGTTCATTTACTCATTTACTTAAGTTTGTCTG 1261
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DB 1262 TTTCATTAATAATAGAGAGTTAGTGAAGCCCTTGAATGAGCAACTCTTCTCCAGCAGT 1321
QY 1322 TTGGGATTCCTTGTAGCTTATATTTCAATACATTTCTAATCATGAGGCTCATTAAT 1381
DB 1322 TTGGGATTCCTTGTAGCTTATATTTCAATACATTTCTAATCATGAGGCTCATTAAT 1381
QY 1382 CTAGGCTCTTCTTCTGCTTCTGCTTTATATTTCACTGATCTTGAAGCCCTCCACTA 1441
DB 1382 CTAGGCTCTTCTTCTGCTTCTGCTTTATATTTCACTGATCTTGAAGCCCTCCACTA 1441
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QY 1502 CACTTTAGAGGCTGADACAGAGAGATCGCTTGAAGCTCAGAGTTCAAGACAGCGTGG 1561
DB 1502 CACTTTAGAGGCTGADACAGAGAGATCGCTTGAAGCTCAGAGTTCAAGACAGCGTGG 1561
QY 1562 CAACATAGCAAGACCTCCACTCTA 1585
DB 1562 CAACATAGCAAGACCTCCACTCTA 1585

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RESULT 2
US-10-785-135-1
; Sequence 1, Application US/10785135
; Publication No. US20040142375A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; TITLE OF INVENTION: 26934, A Novel Cytidine Deaminase-Like
; FILE REFERENCE: 35800/213921
; CURRENT APPLICATION NUMBER: US/10/785,135
; PRIOR FILING DATE: 2004-02-24
; PRIOR APPLICATION NUMBER: US/09/802,371
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/188,294
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1585
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (149)...(1165)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1585)
; OTHER INFORMATION: n = A,T,C or G
US-10-785-135-1

Query Match 100.0%; Score 1582.8; DB 8; Length 1585;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1584; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GCGGTCAAGCTTGAAGCGTCATCTGCTGCGCTTGAAGGCGGTGCTTACAGTTGCTG 61
DB 2 GCGGTCAAGCTTGAAGCGTCATCTGCTGCGCTTGAAGGCGGTGCTTACAGTTGCTG 61
QY 62 AGAGAGGTGAGAGCGCGGCGGCTTGAAGGCGAGATCATGTCTGACTGGAGAGGTTTCC 121
DB 62 AGAGAGGTGAGAGCGCGGCGGCTTGAAGGCGAGATCATGTCTGACTGGAGAGGTTTCC 121
QY 122 TTGGCAGCAGAGGAGGCTAGGTTTGGGATGAAAGAGCTGGGCAATGCAATCTGGAG 181
DB 122 TTGGCAGCAGAGGAGGCTAGGTTTGGGATGAAAGAGCTGGGCAATGCAATCTGGAG 181

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Db	182	AGCCGAGAGGCCCCGGCGGTCACTCAGACGCCAGACTGGCAGCATGACCGGTCAATPACCA	241
Qy	242	AGGCTTTTAAAGTGAACCTTTTCACTCTGCTCAGCTCTGGATGGAAGCTCTTTCACGA	301
Db	242	AGGCTTTTAAAGTGAACCTTTTCACTCTGCTCAGCTCTGGATGGAAGCTCTTTCACGA	301
Qy	302	GAAGCCGACGCGCAAAAATCTCAGAAAAATGAAAGGGAAGCATGACCCTTAGAGAT	361
Db	302	GAAGCCGACGCGCAAAAATCTCAGAAAAATGAAAGGGAAGCATGACCCTTAGAGAT	361
Qy	362	AATGAAAGAGAGACCAAGATCTACTGACAAAGACAGGTAAAGAACTGGTCTTGTG	421
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Qy	422	GTGGTGA AAAACATGAAAATTTGGTGTCCACTGGTCTAGGAAATTTACATGGCCGG	481
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Qy	482	CAGATGTCTTAAATTAACATGGGTCAGGCTGAAAACCTGATCTTATTTTCCAGA	541
Db	482	CAGATGTCTTAAATTAACATGGGTCAGGCTGAAAACCTGATCTTATTTTCCAGA	541
Qy	542	AAACCATGTTCTGCTTGTGAAAAATGATGTAATGCTGAGATTACCGAATTTATAC	601
Db	542	AAACCATGTTCTGCTTGTGAAAAATGATGTAATGCTGAGATTACCGAATTTATAC	601
Qy	602	TGGCTGTGATCCAGAAATAGTTTGTCTTACGAGGCTTCTAGTCTGAAAGTGCAG	661
Db	602	TGGCTGTGATCCAGAAATAGTTTGTCTTACGAGGCTTCTAGTCTGAAAGTGCAG	661
Qy	662	TTAGATGCCAAGCAGTGAAAGATGGAAGCAACAGTCGGGCCATGTGTGTCCTTA	721
Db	662	TTAGATGCCAAGCAGTGAAAGATGGAAGCAACAGTCGGGCCATGTGTGTCCTTA	721
Qy	722	CTTCAACCTTGGTGTGTATATATGATGAGTTTGTAGAGAGACCTTTACAAATGTGAC	781
Db	722	CTTCAACCTTGGTGTGTATATATGATGAGTTTGTAGAGAGACCTTTACAAATGTGAC	781
Qy	782	TTTATTTCAAAAAATTAACAAAACATTTGCCGATGCTAACCTGATTTTATTAAGAAATG	841
Db	782	TTTATTTCAAAAAATTAACAAAACATTTGCCGATGCTAACCTGATTTTATTAAGAAATG	841
Qy	842	AAACAGAGAAATTAAGAAATATGAATATGTAATTTTGGTTTCAATGAAGAAATGCAT	901
Db	842	AAACAGAGAAATTAAGAAATATGAATATGTAATTTTGGTTTCAATGAAGAAATGCAT	901
Qy	902	AAGCAAAATACTGATGACTATAGTTTGGAGAACCTGTGTGAATACTACTTAGCAAT	961
Db	902	AAGCAAAATACTGATGACTATAGTTTGGAGAACCTGTGTGAATACTACTTAGCAAT	961
Qy	962	CTAAGGCAAAACATGAAGACCTTATCTTACTTTTGGCCACAGTGTCCACAGTGTCCG	1021
Db	962	CTAAGGCAAAACATGAAGACCTTATCTTACTTTTGGCCACAGTGTCCACAGTGTCCG	1021
Qy	1022	AACTTTAAACCTTCGGAATTTTACCGTGAACAACAGAAACAGTAAATGAATTCACAT	1081
Db	1022	AACTTTAAACCTTCGGAATTTTACCGTGAACAACAGAAACAGTAAATGAATTCACAT	1081
Qy	1082	CAAAATTTGCCACAGAAATTCAGAGGACCTGATGTTCAGGCGCAGGTTATTTGGCATAT	1141
Db	1082	CAAAATTTGCCACAGAAATTCAGAGGACCTGATGTTCAGGCGCAGGTTATTTGGCATAT	1141
Qy	1142	CGAATGTGAGTTACATAGATCGTAAATTTGGGCGCTGATTTGGTGGTTGATTTGTCTC	1201
Db	1142	CGAATGTGAGTTACATAGATCGTAAATTTGGGCGCTGATTTGGTGGTTGATTTGTCTC	1201
Qy	1202	TGAATGTTCCTCATTTATATGTAAGATCACTTAACATATGTAATTAAGTTTGGCG	1261
Db	1202	TGAATGTTCCTCATTTATATGTAAGATCACTTAACATATGTAATTAAGTTTGGCG	1261

QY		1262	TTCATACAAATTAGAGAAGTCTAATGAGACCCTTGAGTAGAACCACTCCTTTCCACGAGT	1381
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QY		1322	TTTGCGGATTCCTGTGAGCCTTAATTACTGATGCCAATTTCTACATCAGGGCCCTCATTAAT	1391
Db		1322	TTTGCGGATTCCTGTGAGCCTTAATTACTGATGCCAATTTCTACATCAGGGCCCTCATTAAT	1381
QY		1382	CTAGGCCCTTCCTTCTGCTCTTCTGCTTTATGATTTTCACTGKTKCTTGAACCCCTCCACTA	1441
Db		1382	CTAGGCCCTTCCTTCTGCTCTTCTGCTTTATGATTTTCACTGKTKCTTGAACCCCTCCACTA	1441
QY		1442	AAGTAGGACAAGAGAAGGAAGGAGGCCACAGTCAGTGGTTCATGCCTGTAATTGCAA	1501
Db		1442	AAGTAGGACAAGAGAAGGAAGGAGGCCACAGTCAGTGGTTCATGCCTGTAATTGCAA	1501
QY		1502	CACCTTTAGAAAGCTGADACAGAGAGATCGCTTGAAGCTCAGAGATTCAAGACCAAGCTGGG	1561
Db		1502	CACCTTTAGAAAGCTGADACAGAGAGATCGCTTGAAGCTCAGAGAGTTCAAGACCAAGCTGGG	1561
QY		1562	CAACATRGCAAGACCTTGACTCTTA	1585
Db		1562	CAACATRGCAAGACCTTGACTCTTA	1585
RESULT 3				
US-09-802-371-3				
Sequence 3, Application US/09802371				
Patent No. US20010036649A1				
GENERAL INFORMATION:				
APPLICANT: Meyers, Rachel				
APPLICANT: Rudolph-Owen, Laura				
TITLE OR INVENTION: 26934, A NO. US20010036649A1el Cyclidine Deaminase-Like				
TITLE OR INVENTION: Molecule and Uses Thereof				
FILE REFERENCE: 35800/213921				
CURRENT APPLICATION NUMBER: US/09/802,371				
CURRENT FILING DATE: 2001-03-09				
PRIOR APPLICATION NUMBER: 60/188,294				
PRIOR FILING DATE: 2000-03-10				
NUMBER OF SEQ ID NOS: 4				
SOFTWARE: FastSeq for Windows Version 4.0				
SEQ ID NO 3				
LENGTH: 1017				
TYPE: DNA				
ORGANISM: Homo sapiens				
US-09-802-371-3				
Query Match				
Best Local Similarity 100.0%; Score 1017; DB 3; Length 1017;				
Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
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QY		209	ACCAGAGCTGGCAGCATGACCGGTCAAGATACCAAGCTTTCTAAAGTCAACCTTTTCACT	268
Db		61	ACCAGAGCTGGCAGCATGACCGGTCAAGATACCAAGCTTTCTAAAGTCAACCTTTTCACT	120
QY		269	CTGCTCAGCTCTTGATGAGACTCTTTTCCAGCGAGAACCCAGGGCCAAAAATCTCAGAAA	328
Db		121	CTGCTCAGCTCTTGATGAGACTCTTTTCCAGCGAGAACCCAGGGCCAAAAATCTCAGAAA	180
QY		329	AATGAAAGAGGAAAGCATGAGACCTTATGAGATTAATGAAGAGAGCACAGATATTACT	388
Db		181	AATGAAAGAGGAAAGCATGAGACCTTATGAGATTAATGAAGAGAGCACAGATATTACT	240
QY		389	GACAAAAGACAGGTAAAGAGAACTGGTCTTGTGCTGTA AAAACATGA AAATTGTTGCT	448
Db		241	GACAAAAGACAGGTAAAGAGAACTGGTCTTGTGCTGTA AAAACATGA AAATTGTTGCT	300
QY		449	CTCCACGTCTTCTAGTAAGTTTAACTGATCCGGGCAAGTTGCTCTTATTAACATGGGTCA	508

Db 301 CTCACCTGTTCTAGTAAGATTACATGCGGCGCAATGCTCTTATTAACCTGGCTA 360
 Qy 509 AGGCTGAAAACTGTATCTTTATTTTCCAGAAAAACATGTTCTGCTTTGTAAGATG 568
 Db 361 AGGCTGAAAACTGTATCTTTATTTTCCAGAAAAACATGTTCTGCTTTGTAAGATG 420
 Qy 569 ATGTAAATGCTGAGATTAAACGAATTTCACTGCGCTGCTGATCCAGAAATAGTTTG 628
 Db 421 ATGTAAATGCTGAGATTAAACGAATTTCACTGCGCTGCTGATCCAGAAATAGTTTG 480
 Qy 629 CTTACGAGAGCTTCTAGTTCTGGAAGTGCAGAAATGTTGATCCCAACAGTGGAAAAATG 688
 Db 481 CTTACGAGAGCTTCTAGTTCTGGAAGTGCAGAAATGTTGATCCCAACAGTGGAAAAATG 540
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 Db 661 CCGGATGCTAACACTGATCTTTATTTATGATGATGATGATGATGATGATGATGATG 720
 Qy 869 ATGTATTTTGGTTCAATGATGATGATGATGATGATGATGATGATGATGATGATG 928
 Db 721 ATGTATTTTGGTTCAATGATGATGATGATGATGATGATGATGATGATGATGATG 780
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 Qy 1109 CACTGATGTTGAGGCGCAGGTTATTGCAATGCAATGCACTGCTGATGATGATG 1165
 Db 961 CACTGATGTTGAGGCGCAGGTTATTGCAATGCAATGCACTGCTGATGATGATGATG 1017
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 US-10-785-135-3
 ; Sequence 3, Application US/10785135
 ; Publication No. US20040142375A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Meyers, Rachel
 ; APPLICANT: Rudolph-Owen, Laura
 ; TITLE OF INVENTION: 26934, A Novel Cytidine Deaminase-Like
 ; FILE REFERENCE: 35800/213921
 ; CURRENT APPLICATION NUMBER: US/10/785,135
 ; CURRENT FILING DATE: 2004-02-24
 ; PRIOR APPLICATION NUMBER: US/09/802,371
 ; PRIOR FILING DATE: 2001-03-09
 ; PRIOR APPLICATION NUMBER: 60/188,294
 ; PRIOR FILING DATE: 2000-03-10
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: FaastSeq for Windows Version 4.0
 ; SEQ ID NO: 3
 ; LENGTH: 1017
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-785-135-3
 Query Match 64.3%; Score 1017; DB 8; Length 1017;

Best Local Similarity 100.0%; Pred. No. 2,36-260; Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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 Db 1 ATGAAGAAGCTGGCAGATGCAAAATCTGAGAGCCGCGGCGGTGATGATG 60
 Qy 209 ACCGAGCTGGCAGATGACCGGTGAGATCCAAAGCTTTCTAAAGTCAACCTTTGACT 268
 Db 61 ACCGAGCTGGCAGATGACCGGTGAGATCCAAAGCTTTCTAAAGTCAACCTTTGACT 120
 Qy 269 CTGCTCAGCTCTGATGATGAGCTCTTCCAGAGAGCCGCGCAAAAATCTCGAAA 328
 Db 121 CTGCTCAGCTCTGATGATGAGCTCTTCCAGAGAGCCGCGCAAAAATCTCGAAA 180
 Qy 329 AATGAAGAGGAAAGCATGACCTTAGAGATTAAGAGAGAGACAGATATCTACT 388
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 Db 301 CTCGACTGTTCTAGTAAGATTATCATGCGGCGAGATTGCTTTATTAACATGGGTCA 360
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 Qy 569 ATGTAAATGCTGAGATTAAACGAATTTCACTGCGCTGCTGATCCGAATTAAGTTG 628
 Db 421 ATGTAAATGCTGAGATTAAACGAATTTCACTGCGCTGCTGATCCGAATTAAGTTG 480
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 Qy 989 CTACTTTTGGCCACATAGCTTCCAGTGTGCGCACTTTAAACATCTGCGATTTTACCGT 1048
 Db 841 CTACTTTTGGCCACATAGCTTCCAGTGTGCGCACTTTAAACATCTGCGATTTTACCGT 900
 Qy 1049 AGCAATCCAGAACAGATTATGAAATTCACATCAAAAGTTTGCACAGGAAATTCGAAAG 1108
 Db 901 AGCAATCCAGAACAGATTATGAAATTCACATCAAAAGTTTGCACAGGAAATTCGAAAG 960
 Qy 1109 CACTGATGTTGAGGCGCAGGTTATTGCAATGCAATGCACTGCTGATGATGATG 1165
 Db 961 CACTGATGTTGAGGCGCAGGTTATTGCAATGCAATGCACTGCTGATGATGATGATG 1017
 RESULT 5

US-10-481-613-1
 / Sequence 1, Application US/10481613
 / Publication No. US20050085627A1
 / GENERAL INFORMATION:
 / APPLICANT: Zhang, Youming
 / APPLICANT: Mofatt, William
 / APPLICANT: Cookson, William
 / APPLICANT: Tinsley, Jon
 / TITLE OF INVENTION: Atopy
 / FILE REFERENCE: 16721-0003US1 / P32688WO/KVC
 / CURRENT APPLICATION NUMBER: US/10/481,613
 / CURRENT FILING DATE: 2003-12-19
 / PRIOR APPLICATION NUMBER: PCT/GB02/02859
 / PRIOR FILING DATE: 2002-06-21
 / PRIOR APPLICATION NUMBER: GB 0115211.5
 / PRIOR FILING DATE: 2001-06-21
 / PRIOR APPLICATION NUMBER: GB 0115212.3
 / PRIOR FILING DATE: 2001-06-21
 / PRIOR APPLICATION NUMBER: GB 0115213.1
 / PRIOR FILING DATE: 2001-06-21
 / NUMBER OF SEQ ID NOS: 326
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO 1
 / LENGTH: 410846
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / US-10-481-613-1

Query Match 63.6%; Score 1006.8; DB 10; Length 410846;
 Best Local Similarity 99.8%; Pred. No. 4.1e-256;
 Matches 1006; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 QY 578 GCTGAGTTAACCGAATTCATCTGCGCTGCTGATCCAGAAATTAAGTTGCTTACGAG 637
 DB 85167 GCTGAGTTAACCGAATTCATCTGCGCTGCTGATCCAGAAATTAAGTTGCTTACGAG 85226
 QY 638 GCTTCTAGTTCTGAAGTGAAGTTAGATGATCCAAAGCAAGTGAAGATTGAAGTCAAC 637
 DB 85227 GCTTCTAGTTCTGAAGTGAAGTTAGATGATCCAAAGCAAGTGAAGATTGAAGTCAAC 85286
 QY 698 AGTCGGGGCCCATGTGTGTCTTACTCACTTTGGTGTATATAGTGAGTGTGTA 757
 DB 85287 AGTCGGGGCCCATGTGTGTCTTACTCACTTTGGTGTATATAGTGAGTGTGTA 85346
 QY 758 GAGGAGACCTCTTACAAATGTAAGTCTTATTCAAAAAATTCAAAAAATTCGCGATGCT 817
 DB 85347 GAGGAGACCTCTTACAAATGTAAGTCTTATTCAAAAAATTCAAAAAATTCGCGATGCT 85406
 QY 818 AACACTGACTTTTATATGATGTAATGAACAAAGAAAGTAATTAAGATATGTAATGTTATTT 877
 DB 85407 AACACTGACTTTTATATGATGTAATGAACAAAGAAAGTAATTAAGATATGTAATGTTATTT 85466
 QY 878 TTGGTTTCAATTAAGAAATGATGAACAAATCTGATGCTATAGGTTTGAAGAACTG 937
 DB 85467 TTGGTTTCAATTAAGAAATGATGAACAAATCTGATGCTATAGGTTTGAAGAACTG 85526
 QY 938 TGTGAATTCATCTTATAGCAATCTTAAAGCAAAACATGAAGAAGCTTATCTTACTTTG 997
 DB 85527 TGTGAATTCATCTTATAGCAATCTTAAAGCAAAACATGAAGAAGCTTATCTTACTTTG 85586
 QY 998 GCCACAGTACTTCAGTGTGCGGAATTTAAACATTCGGAATTTTACCTGATCAATCCA 1057
 DB 85587 GCCACAGTACTTCAGTGTGCGGAATTTAAACATTCGGAATTTTACCTGATCAATCCA 85646
 QY 1058 GAACAGATTAATGAATTCACATCAAAAGTTTGCACAGAAATTCGACGACTGCATG 1117
 DB 85647 GAACAGATTAATGAATTCACATCAAAAGTTTGCACAGAAATTCGACGACTGCATG 85706
 QY 1118 GTTCAGGCCAGTTATGCAATTCGAACCTGTGAGTTACATGATGTAATTTGGGCT 1177
 DB 85707 GTTCAGGCCAGTTATGCAATTCGAACCTGTGAGTTACATGATGTAATTTGGGCT 85766
 QY 1178 GATTGGTGGGTTGATTTGTCTCTGAAGTGTCTCTCATTTATGTAAGTTCATTTA 1237

DB 85767 GATTGGTGGGTTGATTTGTCTCTGAAGTGTCTCTCATTTATGTAAGTTCATTTA 85826
 QY 1238 CTCATAGTACTTAAAGTTTGTCTGTTTCATCAATATAGAAAGTTGTAGACCTTTGAG 1297
 DB 85827 CTCATAGTACTTAAAGTTTGTCTGTTTCATCAATATAGAAAGTTGTAGACCTTTGAG 85986
 QY 1298 TAGACACCTTTTCCGCCAGCAAGTTTGGGATTCCTTAGCCCTTATATCAGTACACA 1357
 DB 85887 TAGACACCTTTTCCGCCAGCAAGTTTGGGATTCCTTAGCCCTTATATCAGTACACA 85946
 QY 1358 TTTTACATCAGCCCTCATTAATCTAGCCCTTCTTGTCTTCTTGTATGATTT 1417
 DB 85947 TTTTACATCAGCCCTCATTAATCTAGCCCTTCTTGTCTTCTTGTATGATTT 86006
 QY 1418 CACTGTCCTTGAAGCCCTTCACTAAAGTAGAGCAAGAAAGAAAGAGAGGCCCACTGC 1477
 DB 86007 CACTGTCCTTGAAGCCCTTCACTAAAGTAGAGCAAGAAAGAAAGAGAGGCCCACTGC 86066
 QY 1478 AGTGGTCAATGCTGTAATTTGCAACATTTAGAAGCTGADACAGAGATCGCTGAGC 1537
 DB 86067 AGTGGTCAATGCTGTAATTTGCAACATTTAGAAGCTGADACAGAGATCGCTGAGC 86126
 QY 1538 TCAGAGATTCAGACCAAGCGTGGCAACATAGCAACCTGACTCTA 1585
 DB 86127 TCAGAGATTCAGACCAAGCGTGGCAACATAGCAACCTGACTCTA 86174

RESULT 6
 US-09-822-846-332
 / Sequence 332, Application US/09822846
 / Publication No. US20030027139A1

/ GENERAL INFORMATION:
 / APPLICANT: Jacobs, Kenneth
 / APPLICANT: McCoy, John M.
 / APPLICANT: Lavalie, Edward R.
 / APPLICANT: Collins-Racie, Lisa A.
 / APPLICANT: Evans, Cheryl
 / APPLICANT: Weisberg, David
 / APPLICANT: Treacy, Maurice
 / APPLICANT: Agostino, Michael J.
 / APPLICANT: Steinger II, Robert J.
 / APPLICANT: Bowman, Michael R.
 / APPLICANT: Spaulding, Vikki
 / APPLICANT: Wong, Gordon G.
 / APPLICANT: Clark, Hilary
 / APPLICANT: Fechtel, Kim
 / APPLICANT: Howes, Steven H.
 / APPLICANT: Resnick, Richard J.
 / APPLICANT: Gulukota, Kamalakar
 / APPLICANT: Graham, James R.
 / APPLICANT: Genetics Institute, Inc.
 / TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
 / FILE REFERENCE: GIN 6400
 / CURRENT FILING DATE: 2001-03-29
 / PRIOR APPLICATION NUMBER: 60/195,605
 / PRIOR FILING DATE: 2000-04-06
 / NUMBER OF SEQ ID NOS: 629
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO 332
 / LENGTH: 2029
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / US-09-822-846-332

Query Match 40.9%; Score 646.6; DB 3; Length 2029;
 Best Local Similarity 99.4%; Pred. No. 2.9e-161;
 Matches 649; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
 QY 500 CATGGGTCAAGGCTGAAGAAACATGATCTTATTTTCCAGAAACATGTTCTGCTGT 559
 DB 1 CATGGGTCAAGGCTGAAGAAACATGATCTTATTTTCCAGAAACATGTTCTGCTGT 60

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QY 560 TTGAAAAATGATGTAATGCTGAGTAAACCGAATTCATACGCGCTGATCCAGAA 619
DB 61 TTGAAAAATGATGTAATGCTGAGTAAACCGAATTCATACGCGCTGATCCAGAA 120
QY 620 ATAAAGTTGCTTACGAGGCTTTAGTTCGAAAGATCAAGTATGATCCAAAGCATG 619
DB 121 ATAAAGTTGCTTACGAGGCTTTAGTTCGAAAGATCAAGTATGATCCAAAGCATG 180
QY 680 GAAAGATGAAAGCAACAGTCGAGGCTTACGAGTTCCTTACCTTACCTTGGTGT 729
DB 181 GAAAGATGAAAGCAACAGTCGAGGCTTACGAGTTCCTTACCTTACCTTGGTGT 240
QY 740 TATATGTCAGTGTGTAGAGAGACCTCTTCAAAATGATGATCTTATTCAAAAATTA 799
DB 241 TATATGTCAGTGTGTAGAGAGACCTCTTCAAAATGATGATCTTATTCAAAAATTA 300
QY 800 AAAACATGCGGAGTGTAACTGACTTTTATGATGATGATGATGATGATGATGAT 859
DB 301 AAAACATGCGGAGTGTAACTGACTTTTATGATGATGATGATGATGATGATGAT 360
QY 860 GAATATGAAATGATATTTTGTGTTCAATGAAAGAAATGATGATGATGATGATGAT 919
DB 361 GAATATGAAATGATATTTTGTGTTCAATGAAAGAAATGATGATGATGATGATGAT 420
QY 920 ATAGTTTGGAGAACCTGTGTGAAATTCATCTTATGATGATGATGATGATGATGAT 979
DB 421 ATAGTTTGGAGAACCTGTGTGAAATTCATCTTATGATGATGATGATGATGATGAT 480
QY 980 GACCTATCTTATCTTTTGGGCAAGTACCTTCCAGTGTGCGGAACTTTAAACCTT 1039
DB 481 GACCTATCTTATCTTTTGGGCAAGTACCTTCCAGTGTGCGGAACTTTAAACCTT 540
QY 1040 TTTTACCGTGAATCAGAAACAGATTAATGAAATTCACATCAAAAGTTGCGACAG 1099
DB 541 TTTTACCGTGAATCAGAAACAGATTAATGAAATTCACATCAAAAGTTGCGACAG 600
QY 1100 ATTGAAGGCACTGATGTTTCAAGGCGGATTAATGATGATGATGATGATGAT 1152
DB 601 ATTGAAGGCACTGATGTTTCAAGGCGGATTAATGATGATGATGATGATGATGAT 653

RESULT 7
US-10-475-075-601
; Sequence 601, Application US/10475075
; Publication No. US20060053498A1
; GENERAL INFORMATION:
; APPLICANT: Benjamin, Stephanie
; APPLICANT: Tanaka, Hiroaki
; APPLICANT: Dumas Maline Edwards, Jean-Baptiste
; APPLICANT: Jobert, Severin
; APPLICANT: Giordano, Jean-Yves
; TITLE OF INVENTION: Full-length human cDNAs encoding potentially secreted proteins
; FILE REFERENCE: G-081US03PCT
; CURRENT APPLICATION NUMBER: US/10/475, 075
; CURRENT FILING DATE: 2003-10-17
; PRIOR APPLICATION NUMBER: PCT/IB01/00914
; PRIOR FILING DATE: 2001-04-18
; NUMBER OF SEQ ID NOS: 918
; SOFTWARE: Patent .pm
; SEQ ID NO 601
; LENGTH: 529
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: 124..528
; FEATURE:
; NAME/KEY: Unsure
; LOCATION: 145..147
; OTHER INFORMATION: Xaa = Gln or Glu
; FEATURE:
; NAME/KEY: Unsure
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; LOCATION: 310..312
; OTHER INFORMATION: Xaa = Gln or Gly
; FEATURE:
; NAME/KEY: Unsure
; LOCATION: 520..522
; OTHER INFORMATION: Xaa = His or Pro
US-10-475-075-601

Query Match 32.6%; Score 516.6; DB 11; Length 529;
Best Local Similarity 99.0%; Pred. No. 6, 9e-127;
Matches 516; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 26 GGCTGGCCTTATGAGGCGCTTCCCTTACGTTGCTGAGAGAGTGAAGAGCGCGGGCGC 85
DB 1 GGCTGGCCTTATGAGGCGCTTCCCTTACGTTGCTGAGAGAGTGAAGAGCGCGGGCGC 60
QY 86 TAGGGCCGAGATCATGTCGATCTGAGAGAGGTTCTTCCGACAGAGAGCGCTAGGTT 145
DB 61 TAGGGCCGAGATCATGTCGATCTGAGAGAGGTTCTTCCGACAGAGAGCGCTAGGTT 120
QY 146 GGGATGAAAGAACTGCGGAGATGCAAAATCTGAGAGCGCGAGGCGCGGCGTCA 205
DB 121 GGGATGAAAGAACTGCGGAGATGCAAAATCTGAGAGCGCGAGGCGCGGCGTCA 180
QY 206 AGCACCAGACTGCGAGCATGACCGGTGAGATACCAAGGCTTTCTTAACTCAACCTT 265
DB 181 AGCACCAGACTGCGAGCATGACCGGTGAGATACCAAGGCTTTCTTAACTCAACCTT 240
QY 266 ACTGTGCTGAGGCTCTGAGATGAGGCTTTCCAGCAGAAAGCCAGCGGCAAAATCT 325
DB 241 ACTGTGCTGAGGCTCTGAGATGAGGCTTTCCAGCAGAAAGCCAGCGGCAAAATCT 300
QY 326 AAAAATGAAAGGAAAGCAGTGAACCTTTAGAGATTAATGAAGAAGACCAAGATAT 385
DB 301 AAAAATGAAAGGAAAGCAGTGAACCTTTAGAGATTAATGAAGAAGACCAAGATAT 360
QY 386 ACTGACAAAAGCAGTGAAGAAAGAACTGCTTGTGTGTGTGTGTGTGTGTGTGTGT 445
DB 361 ACTGACAAAAGCAGTGAAGAAAGAACTGCTTGTGTGTGTGTGTGTGTGTGTGTGT 420
QY 446 GGTCTCCACTGTTCTAGTGAAGATTTACATGCGGCGAGATGCTTTTAAACATG 505
DB 421 GGTCTCCACTGTTCTAGTGAAGATTTACATGCGGCGAGATGCTTTTAAACATG 480
QY 506 TCAAGGCTGAAAAACTGTGATCTTTATTTTCCAGAAAAAC 546
DB 481 TCAAGGCTGAAAAACTGTGATCTTTATTTTCCAGAAAAAC 521

RESULT 8
US-11-021-492-515
; Sequence 515, Application US/11021492
; Publication No. US20060031947A1
; GENERAL INFORMATION:
; APPLICANT: Abuin, Alejandro
; APPLICANT: Zambrzewicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: Novel Mutated Mammalian Cells and
; FILE REFERENCE: LEX-0368-USA
; CURRENT APPLICATION NUMBER: US/11/021,492
; CURRENT FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: US 60/307,670
; PRIOR FILING DATE: 2001-07-25
; NUMBER OF SEQ ID NOS: 698
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 515
; LENGTH: 489
; TYPE: DNA
; ORGANISM: Mus musculus
; NAME/KEY: misc feature
; LOCATION: 183..206
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OTHER INFORMATION: n = A,T,C or G
US-11-021-492-515

Query Match 23.3%; Score 368.4; DB 16; Length 489;
Best Local Similarity 89.7%; Pred. No. 2.5e-87;
Matches 429; Conservative 0; Mismatches 46; Indels 3; Gaps 3;

QY 399 AGGTAAAGAACTGCTGTTGGTGTGTAAGAAATGTTGGTCTCACTGT 458
DB 3 AGGTGACGAAATCGGCTGTGTGTGTG-AAAACATGAAGATCATGTCTCACTGT 61
QY 459 CTATGTAAGTTTCAATGCGGCGCAATGCTCTTATTAACATGGGTCAAGCTGAAA 518
DB 62 CAGTGAAGCTTACATACCTGGCAATGCTCTCATTAAGCATGGGTCAAGCTGAAA 121
QY 519 ACTGATCTTTATTTTTCAGAAACCATGTTCTGCTTGTGAAATGATGTAATG 578
DB 122 ACTGTATCTTTATTTTTCAGAAACCATGTTCTGCTTGTGAAATGATGTAATG 181
QY 579 C-TGAGTTTACCGAATTTGATAC-TGGCTGTGATCGAATAAATGTTGCTTACGA 656
DB 182 CTGTGATTAACCGAATTTCTTACNTGGCTTCTGACCGAATAAATGTTGCTCACTGA 241
QY 637 GGGTTTATGTTTCAAGATGCAAAAGTTAGTGGCAAGCGTGAAGATGTAAGTCAA 656
DB 242 AGCTTTAGTTCTGAAGATGCAAAAGTTAGTGGCAAGCGTGAAGATGTAAGTCAA 301
QY 697 CAGTGGGCGCATGTGTGTCTTACTTCAACCTTGTGTGTATATGTTGTCAGTTTGT 756
DB 302 CAGCCGGCCCATGTGTGTCTTACTTCAACCTTGTGTGTATATGTTGTCAGTTTGT 351
QY 757 AGAGAGACCTCTTACAAATGATGATTTTCAAAAATTTACAAAACATTTGCGGATGC 816
DB 362 GAGGAAACCTCTTACAAATGATGATTTTCAAAAATTTGCGGATGC 421
QY 817 TAACATGATTTTATTAAGATGTAAGCAAGAAAGATTAAGATTAAGATTAAGTGA 874
DB 422 TGACCTGATTTTATTTTCAAGATGTAAGCAAGAAAGATTAAGATTAAGATTAAGTGA 479

RESULT 9
US-09-969-034-951

/ Sequence 951, Application US/09969034
/ Publication No. US20040110668A1
/ GENERAL INFORMATION:
/ APPLICANT: Burgess, Christopher C.
/ APPLICANT: Astle, Jon H.
/ APPLICANT: Carroll, Eddie III
/ APPLICANT: Catino, Theodore J.
/ APPLICANT: Dwiwedi, Poornima
/ APPLICANT: Molino, Gary A.
/ APPLICANT: Thiagalingam, Arunthathi
/ APPLICANT: Lewis, Marcia E.
/ TITLE OF INVENTION: Nucleic Acid Sequences Differentially
/ FILE REFERENCE: 1657/1032
/ CURRENT APPLICATION NUMBER: US/09/969,034
/ PRIOR FILING DATE: 2001-10-02
/ PRIOR APPLICATION NUMBER: 60/237,271
/ PRIOR FILING DATE: 2000-02-10
/ NUMBER OF SEQ ID NOS: 4494
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 951
/ LENGTH: 562
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURES:
/ NAME/KEY: misc.feature
/ LOCATION: 264, 348, 413, 419, 422, 431, 450, 470, 500, 502, 508,
/ LOCATION: 517
/ OTHER INFORMATION: n = A,T,C or G
US-09-969-034-951

Query Match 22.5%; Score 355.6; DB 3; Length 562;
Best Local Similarity 88.9%; Pred. No. 7.1e-84;
Matches 481; Conservative 0; Mismatches 45; Indels 15; Gaps 9;

QY 41 GCGGTTGCTTACAGTGTGAGAGAGGTGAGAGCGGAGGCGCTAGAGGCCAGATCAT 100
DB 3 GCGGCGGCTTACAGTGTGAGAGAGGTGAGAGCGGAGGCGCTAGAGGCCAGATCAT 62
QY 101 GTCTGACTGGAAGGTTTCTTGGCAGAGAGAGCGTAGTGGATGAAAGAGCT 160
DB 63 GTCTGACTGGAAGGTTTCTTGGCAGAGAGAGCGTAGTGGATGAAAGAGCT 122
QY 161 GGGCAGATGCAAAATTTGAGAGCGGAGGCGGCGGTCACTAGCAGACCCAGACTGGC 220
DB 123 GGGCAGATGCAAAATTTGAGAGCGGAGGCGGCGGTCACTAGCAGACCCAGACTGGC 182
QY 221 AGCATGACCGGTCAATACCAAGGCTTTTAAAGTCACTTTCACTGCTCAGGCTC 280
DB 183 AGCATGACCGGTCAATACCAAGGCTTTTAAAGTCACTTTCACTGCTCAGGCTC 242
QY 281 TGGATGAGCTCTTTCAGCAGAGAGCGGCAAAATCTCAGAAATGAAAG-AG 338
DB 243 TGGATGAGCTCTTTCAGCAGAGAGCGGCAAAATCTCAGAAATGAAAGAGG 302
QY 339 GAAAGCATGAGACCTTGAAGATTAAGAA--GAGAGACCAAGATCTACTGAC-AAA 395
DB 303 AAAAGCATGAGACCTTGAAGATTAAGAAAGAGAGACCAAGATCTACTGACAAAAA 362
QY 396 GAGAGTAAAG-AGAAGTGTGTGTGT-GGTGAAGAAACATGAATGTT-GGTCTCC 452
DB 363 GAGAGTAAAGAAAGT 422
QY 453 ACTGTCTT-AGTGAAGATTTACATGCGGCGCAGATTTCTTATTAACA----TGGGT 506
DB 423 ACTGTCTT-AGTGAAGATTTACATGCGGCGCAGATTTCTTATTAACA----TGGGT 482
QY 507 CAGGCTGAAACCTGTGATCTTTA-TTTTTCAGAAACCATGTCCTGCTGTTGAAA 565
DB 483 AAGGCTGAAACCTGTGATCTTTA-TTTTTCAGAAACCATGTCCTGCTGTTGAAA 542

RESULT 10
US-09-983-802-25

/ Sequence 25, Application US/09983802
/ Publication No. US20030022185A1
/ GENERAL INFORMATION:
/ APPLICANT: Fischer et al.
/ TITLE OF INVENTION: 123 Human Secreted Proteins
/ FILE REFERENCE: P2010P1
/ CURRENT APPLICATION NUMBER: US/09/983,802
/ PRIOR FILING DATE: 2001-10-25
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/227,357
/ PRIOR FILING DATE: EARLIER FILING DATE: 1999-01-08
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/US98/13684
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,926
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,793
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,925
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,929
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,803
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,732
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,931
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08


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PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,992
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,916
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,930
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,918
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,920
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,733
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,759
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,919
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,928
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,722
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,723
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,948
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,949
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-08-18
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PRIORITY FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,950
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,947
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,954
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/056,360
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,684
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,984
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,954
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,785
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-09-12
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,664
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-09-12
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,660
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-09-12
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661
PRIORITY FILING DATE: EARLIER FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 25
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (1248)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1389)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1391)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1393)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1396)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE

```

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; LOCATION: (2551)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-983-802-25

Query Match      18.6%; Score 294; DB 3; Length 1555;
Best Local Similarity 95.2%; Pred. No. 3,66-67;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0

Oy      560  TTGAAGATGATTTGAATATGCTGAGATTACCGAATTTTCATCTAGCGCTGTGATCCAGAA 619
Db      1209 TTTTAAATGCATGGAAGAGCTGAGATGAACCGAATTTTCANACTCCCTGCTGATCCAGAA 1266
Oy      620  ATAAATTGCTTACGGAAGGCTTCTAGTTCTGAGATGCAAGTTAGTCCAAAGCACTG 679
Db      1269 ATAAATTGCTTACGGAAGGCTTCTAGTTCTGAGATGCAAGTTAGTCCAAAGCACTG 1328
Oy      680  GAAAGATTGGAAGTCAACAGTCGGGGCCCATGTGTGTCTTACTTCAACCTTTGGTGT 739
Db      1329 GAAAGATTGGAAGTCAACAGTCGGGGCCCATGTGTGTCTTACTTCAACCTTTGGTGT 1388
Oy      740  TATATGTGCAAGTTTGTAGAGAGACCTCTTACAAATGTGACTTTATTCAAAAATTTACA 799
Db      1389 NANANGNGCAGTTTGTAGAGAGACCTCTTACAAATGTGACTTTATTCAAAAATTTACA 1448
Oy      800  AAAACATTGCCGATGCTAACCTGATTTTATATAGTAACGAAGAAGAAATATAAA 859
Db      1449 AAAACATTGCCGATGCTAACCTGATTTTATATAGTAACGAAGAAGAAATATAAA 1508
Oy      860  GAATATGAATGTGA 874
Db      1509 GAATATGAATGTGA 1523

RESULT 11
US-09-984-490-25
; Sequence 25, Application US/09984490
; Publication No. US20030064412A1
GENERAL INFORMATION:
APPLICANT: Fiecher et al.
TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: P2010P1
CURRENT APPLICATION NUMBER: US/09/984,490
PRIOR FILING DATE: 2001-10-30
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/227,357
PRIOR FILING DATE: EARLIER FILING DATE: 1999-01-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/US99/13684
PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,926
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PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,722
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,660
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 25
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (1248)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1389)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1391)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1393)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1396)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1551)
OTHER INFORMATION: n equals a,t,g, or c
US-09-984-490-25

Query Match 18.6%; Score 294; DB 3; Length 1555;
Best Local Similarity 95.2%; Pred. No. 3.6e-67;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 560 TTGAATGATGTAATGCTGAGATTAAACGAATTCCTACTGCGCTGATCCAGAA 619
DB 1209 TTTTATGATGGAAGAGCTGAGGAGAACCAATTCCTGCGCTGATCCAGAA 1268

QY 620 ATAACTTGCTTACGAGGCTTCTAGTCTGAAGATGCAAAAGTAGATGCAAGCAGTG 679
DB 1269 ATAACTTGCTTACGAGGCTTCTAGTCTGAAGATGCAAAAGTAGATGCAAGCAGTG 1328
QY 680 GAAAGTGAAGTCAAAAGTGGGCCATGTGTGCTTCAACCTTGTGTGT 739
DB 1329 GAAAGTGAAGTCAAAAGTGGGCCATGTGTGCTTCAACCTTGTGTGT 1388
QY 740 TATATGTCAGTTTGTAGAGAGACCTCTTACAAATGTACTTATTCAAAAATTA 799
DB 1389 NANNANGAGCAGTTTGTAGAGAGACCTCTTACAAATGTACTTATTCAAAAATTA 1448
QY 800 AAAAATGCGGAGCTTACCTGATCTTATTTATTAATGAATGAACGAATTA 859
DB 1449 AAAAATGCGGAGCTTACCTGATCTTATTTATTAATGAATGAACGAATTA 1508
QY 860 GAATATGAATGTTA 874
DB 1509 GAATATGAATGTTA 1523

RESULT 12
US-09-973-278-37
Sequence 37, Application US/09973278
Publication No. US20040044191A1
GENERAL INFORMATION:
APPLICANT: Fischer et al.
TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: P2010P2
CURRENT APPLICATION NUMBER: US/09/973,278
CURRENT FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: 60/239,899
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 09/227,357
PRIOR FILING DATE: 1999-01-08
PRIOR APPLICATION NUMBER: PCT/US98/13684
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/051,926
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,793
PRIOR FILING DATE: 1997-07-08
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PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,664
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,660
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,661
PRIOR FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 947
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 37
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1248)..(1248)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1389)..(1389)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1391)..(1391)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1393)..(1393)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1396)..(1396)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1551)..(1551)
OTHER INFORMATION: n equals a,t,g, or c
US-09-973-278-37

Query Match 18.6%; Score 294; DB 3; Length 1555;
Best Local Similarity 95.2%; Pred. No. 3.6e-67;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 560 TTGAATAATGATTTGAATGCTGAGATTACCGAATTTCACTGCGCTGATCCAGAA 619
DB 1209 TTTTATGATGATGAGAGAGCTGAGATGACCGAATTTCAACCTGCTGATCCAGAA 1268
QY 620 ATAAAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAGTTAGTGCAGAGTG 679
DB 1269 ATAAAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAGTTAGTGCAGAGTG 1328
QY 680 GAAAGATTGAAGTCAACAGTGGGCGCCATGTGTGTCTTACTTCAACCTTTGTGTGT 739
DB 1329 GAAAGATTGAAGTCAACAGTGGGCGCCATGTGTGTCTTACTTCAACCTTTGTGTGT 1388
QY 740 TAAATGTGAGTTGTAGAGGAGACCTTTACAATGTACCTTTATCAAAAATTACA 799

DB 1389 NANANGNGCACTTTGTAGAGAGACCTCTTACAAATGTACTTATTTCAAAAATTACA 1448
QY 800 AAAACATTCGCGAGATGCTACACTGACTTTTATGATGATGAAACAGAAAATPAAA 859
DB 1449 AAAACATTCGCGAGATGCTACACTGACTTTTATGATGATGAAACAGAAAATPAAA 1508
QY 860 GAATATGAATGTTA 874
DB 1509 GAATATGAATGTTA 1523

RESULT 13
US-10-472-533-83
Sequence 83, Application US/10472533
Publication No. US20050197285A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Human Secreted Proteins
FILE REFERENCE: PS906PCT
CURRENT APPLICATION NUMBER: US/10/472,533
CURRENT FILING DATE: 2003-09-20
PRIOR APPLICATION NUMBER: US 60/331,287
PRIOR FILING DATE: 2001-11-13
PRIOR APPLICATION NUMBER: US 60/306,171
PRIOR FILING DATE: 2001-07-19
PRIOR APPLICATION NUMBER: US 60/277,340
PRIOR FILING DATE: 2001-03-21
NUMBER OF SEQ ID NOS: 650
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 83
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1248)..(1248)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1389)..(1389)
OTHER INFORMATION: n equals a,t,g, or c
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OTHER INFORMATION: n equals a,t,g, or c
US-10-472-533-83

Query Match 18.6%; Score 294; DB 10; Length 1555;
Best Local Similarity 95.2%; Pred. No. 3.6e-67;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 560 TTGAATAATGATTTGAATGCTGAGATTACCGAATTTCACTGCGCTGATCCAGAA 619
DB 1209 TTTTAAAGCAAGAGAGAGCTGAGATGACCGAATTTCAACCTGCTGATCCAGAA 1268
QY 620 ATAAAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAGTTAGTGCAGAGTG 679
DB 1269 ATAAAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAGTTAGTGCAGAGTG 1328
QY 680 GAAAGATTGAAGTCAACAGTGGGCGCCATGTGTGTCTTACTTCAACCTTTGTGTGT 739

Db 1329 GAAAGATTGAGTCAACAGTCGGGCCCATGTGTGTCTTACTTCAACTTTGTGTGT 1388
 QY 740 TATATGTCAGTTTGTAGAGAGACCTTTACAAATGTGACTTTATTTCAAAAATTACA 799
 Db 1389 NANANGGACGTTTGTAGAGAGACCTTTACAAATGTGACTTTATTTCAAAAATTACA 1448
 QY 800 AAAACATTCGGGATGCTACACATGACTTTATTTATGAAATTAACAGAAATTAATA 859
 Db 1449 AAAACATTCGGGATGCTACACATGACTTTATTTATGAAATTAACAGAAATTAATA 1508
 QY 860 GAATATGAAATGTTA 874
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RESULT 14
 US-10-106-698-1661
 ; Sequence 1661, Application US/10106698
 ; Publication No. US20030109690A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
 ; FILE REFERENCE: P0005P1
 ; CURRENT APPLICATION NUMBER: US/10/106,698
 ; PRIOR FILING DATE: 2002-03-27
 ; PRIOR APPLICATION NUMBER: PCT/US00/26524
 ; PRIOR FILING DATE: 2000-09-28
 ; PRIOR APPLICATION NUMBER: US 60/157,137
 ; PRIOR FILING DATE: 1999-09-29
 ; PRIOR APPLICATION NUMBER: US 60/163,280
 ; PRIOR FILING DATE: 1999-11-03
 ; NUMBER OF SEQ ID NOS: 8564
 ; SOFTWARE: PatentIn Ver. 3.0
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 ; NAME/KEY: misc_feature
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 Best Local Similarity 88.3%; Pred. No. 1e-49;
 Matches 248; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

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 QY 62 AGAGGAGCTGAGAGGCGGCGGCGCTAGAGCGGAGATCATGTCTACTGGAGAGTTCC 121
 Db 198 AGAGGAGCTGAGAGGCGGCGGCGCTAGAGCGGAGATCATGTCTACTGGAGAGTTCC 257
 QY 122 TTGGCAGCAGAGGAGCGCTAGGTTGGAGTGAAGAAGCTGGGCGAGATGCAAAATCTGAG 181
 Db 258 TTGGCAGCAGAGGAGCGCTAGGTTGGAGTGAAGAAGCTGGGCGAGATGCAAAATCTGAG 317
 QY 182 AGCGGAGGCGCGGCGGCGCTAGTCAGACCCAGACTGGCAGCATGACCGGTCAAGTACA 241
 Db 318 AGCGGAGGCGCGGCGGCGCTAGTCAGACCCAGACTGGCAGCATGACCGGTGAGTGTCCG 377
 QY 242 AGGCTTTCTAAAGTCACTTTTCACTCTGCTGAGCTCTG 282
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RESULT 15
 US-10-242-535A-37272

; Sequence 37272, Application US/10242535A
 ; Publication No. US20040013663A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ChondroGene Inc.
 ; APPLICANT: Ilew, C.C.
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
 ; FILE REFERENCE: 4231/2005
 ; CURRENT APPLICATION NUMBER: US/10/242,535A
 ; PRIOR FILING DATE: 2002-09-12
 ; PRIOR APPLICATION NUMBER: US 10/085,783
 ; PRIOR FILING DATE: 2002-02-28
 ; PRIOR APPLICATION NUMBER: US 60/305,340
 ; PRIOR FILING DATE: 2001-07-13
 ; PRIOR APPLICATION NUMBER: US 60/275,017
 ; PRIOR FILING DATE: 2001-03-12
 ; PRIOR APPLICATION NUMBER: US 60/271,955
 ; PRIOR FILING DATE: 2001-02-28
 ; NUMBER OF SEQ ID NOS: 58994
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 37272
 ; LENGTH: 218
 ; TYPE: DNA
 ; ORGANISM: Human
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (20)..(20)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; US-10-242-535A-37272

Query Match 13.7%; Score 217; DB 8; Length 218;
 Best Local Similarity 99.5%; Pred. No. 4.2e-47;
 Matches 217; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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 Db 1 GCAAGTTAGATGCCAAGCAGTGAAGATTGAGTCAACAGTGGGCCATGTGTGT 60
 QY 716 GTCTTACTTCAACTTTGTGTGTATATGTCGCACTTTGTAGAGAGACCTTTACAAA 775
 Db 61 GTCTTACTTCAACTTTGTGTGTATATGTCGCACTTTGTAGAGAGACCTTTACAAA 120
 QY 776 TGTGACTTATTCAAAAATTCAAAAACATTCGCGAGTCTAACACTGACTTTATTAT 835
 Db 121 TGTGACTTATTCAAAAATTCAAAAACATTCGCGAGTCTAACACTGACTTTATTAT 180
 QY 836 GAATGTAAACAAGAAATTAAGATTAATGAATGTT 873
 Db 181 GAATGTAAACAAGAAATTAAGATTAATGAATGTT 218

Search completed: September 20, 2006, 04:44:21
 Job time: 2239.4 secs

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 20, 2006, 03:42:47; Search time 1435.6 Seconds
(without alignments)
8704.717 Million cell updates/sec

Title: US-10-785-135-3

Perfect score: 1017
Sequence: 1 atgaagaagctggcagatctgcgtgctacatagatcg 1017

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 18892170 seqs, 6143817638 residues

Total number of hits satisfying chosen parameters: 37784340

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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9: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
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16: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11D_PUBCOMB.seq.*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1017	100.0	1017 8 US-10-785-135-3	Sequence 3, Appl1
3	1017	100.0	1585 3 US-09-802-371-1	Sequence 1, Appl1
4	1017	100.0	1585 8 US-10-785-135-1	Sequence 1, Appl1
5	646.6	63.6	2029 3 US-09-822-846-332	Sequence 332, Appl1
6	588	57.8	410846 10 US-10-481-613-1	Sequence 1, Appl1
7	395.2	38.9	529 11 US-10-475-075-601	Sequence 601, App
8	368.4	36.2	489 16 US-11-021-492-515	Sequence 515, App
9	294	28.9	1555 3 US-09-983-802-25	Sequence 25, Appl1
10	294	28.9	1555 3 US-09-984-490-25	Sequence 25, Appl1
11	294	28.9	1555 3 US-09-973-278-37	Sequence 37, Appl1
12	294	28.9	1555 3 US-10-472-533-83	Sequence 83, Appl1
13	254	25.0	562 3 US-09-969-034-951	Sequence 951, App
14	217	21.3	218 8 US-10-242-535A-37272	Sequence 37272, A
15	217	21.3	218 8 US-10-085-783A-37272	Sequence 37272, A
16	182.4	17.9	386 9 US-10-357-930-21664	Sequence 21664, A
17	182.4	17.9	386 9 US-10-357-930-22703	Sequence 22703, A

18	182.4	17.9	386 9	US-10-357-930-27508	Sequence 27508, A
19	182.4	17.9	386 9	US-10-357-930-28548	Sequence 28548, A
20	182.4	17.9	390 9	US-10-357-930-11768	Sequence 11768, A
21	182.4	17.9	393 9	US-10-357-930-13342	Sequence 13342, A
22	182.4	17.9	399 9	US-10-357-930-34487	Sequence 34487, A
23	182.4	17.9	432 9	US-10-357-930-32940	Sequence 32940, A
24	182.4	17.9	432 9	US-10-357-930-41866	Sequence 41866, A
25	182.4	17.9	432 9	US-10-357-930-43346	Sequence 43346, A
26	173.2	17.0	367 9	US-10-357-930-4173	Sequence 4173, Ap
27	171.8	16.9	995 6	US-10-106-698-1661	Sequence 1661, Ap
28	170.4	16.8	434 9	US-10-357-930-2599	Sequence 2599, Ap
29	94.8	9.3	997 12	US-10-301-480-547122	Sequence 547122, A
30	94.8	9.3	997 12	US-10-301-480-1160531	Sequence 1160531, A
31	72.4	7.1	436 3	US-09-918-995-28592	Sequence 28592, A
32	67	6.6	600 10	US-10-972-079-10228	Sequence 10228, A
33	67	6.6	600 10	US-10-972-079-10229	Sequence 10229, A
34	67	6.6	600 10	US-10-972-079-10230	Sequence 10230, A
35	48.2	4.7	1105 9	US-10-425-115-173590	Sequence 173590, A
36	48	4.7	3673778 7	US-10-312-841-1	Sequence 1, Appl1
37	44.2	4.3	6182 7	US-10-311-455-1987	Sequence 1987, Ap
38	43.8	4.3	231004 11	US-10-310-773-832	Sequence 832, App
39	43.6	4.3	3673778 7	US-10-312-841-1	Sequence 1, Appl1
40	43.4	4.3	398 9	US-10-425-115-64127	Sequence 64127, A
41	43	4.2	8979 7	US-10-311-455-758	Sequence 758, App
42	43	4.2	8979 7	US-10-221-613-138	Sequence 138, App
43	42.8	4.2	858 12	US-10-301-480-543026	Sequence 543026, A
44	42.8	4.2	858 12	US-10-301-480-1156435	Sequence 1156435, A
45	42.8	4.2	963 9	US-10-357-930-7680	Sequence 7680, Ap

ALIGNMENTS

US-09-802-371-3	Sequence 3, Application US/09802371
Patent No. US2001003649A1	GENERAL INFORMATION:
APPLICANT: Meyers, Rachel	
APPLICANT: Rudolph-Owen, Laura	
TITLE OF INVENTION: 26934, A No. US2001003649A1el Cytidine Deaminase-Like	
TITLE OF INVENTION: Molecule and Uses Thereof	
FILE REFERENCE: 35800/213921	
CURRENT APPLICATION NUMBER: US/09/802,371	
PRIOR APPLICATION NUMBER: 60/188,294	
PRIOR FILING DATE: 2000-03-10	
NUMBER OF SEQ ID NOS: 4	
SOFTWARE: FastSeq for Windows Version 4.0	
SEQ ID NO 3	
LENGTH: 1017	
TYPE: DNA	
ORGANISM: Homo sapiens	
US-09-802-371-3	Query Match
100.0%; Score 1017; DB 3; Length 1017;	
Best Local Similarity 100.0%; Pred. No. 4.5e-250;	
Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
1 ATGAAGAAGCTGGGCAATCTGAGAGCGGCGGCGTCACTCAAC 60	
1 ATGAAGAAGCTGGGCAATCTGAGAGCGGCGGCGTCACTCAAC 60	
1 ATGAAGAAGCTGGGCAATCTGAGAGCGGCGGCGTCACTCAAC 60	
61 ACCGAGCTGGGCAATCTGAGAGCGGCGGCGTCACTCAAC 120	
61 ACCGAGCTGGGCAATCTGAGAGCGGCGGCGTCACTCAAC 120	
61 ACCGAGCTGGGCAATCTGAGAGCGGCGGCGTCACTCAAC 120	
121 CTGCTACCTCTGATGAGCTCTTCCAGAGAGCCGCGCAAAATCTCAGAAA 180	
121 CTGCTACCTCTGATGAGCTCTTCCAGAGAGCCGCGCAAAATCTCAGAAA 180	
121 CTGCTACCTCTGATGAGCTCTTCCAGAGAGCCGCGCAAAATCTCAGAAA 180	
181 AATGAAGAAGCTGGGCAATCTGAGAGCGGCGGCGTCACTCAAC 240	
181 AATGAAGAAGCTGGGCAATCTGAGAGCGGCGGCGTCACTCAAC 240	
181 AATGAAGAAGCTGGGCAATCTGAGAGCGGCGGCGTCACTCAAC 240	

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Db      181 AATGAAAGGAGAAAGATGACCCCTTAGAGATATGAAAGAGAGCCAGATATCTACT 240
Qy      241 GACAAAAGACAGGTAAAGAGAACTGGTCTTGTGGTGAAGAAACATGAAATTTGGT 300
Db      241 GACAAAAGACAGGTAAAGAGAACTGGTCTTGTGGTGAAGAAACATGAAATTTGGT 300
Qy      301 CTCCTACTGTTTGAAGTAAAGTTTACATGCGGCGAGATGCTCTTATTAACATGCGTCA 360
Db      301 CTCCTACTGTTTGAAGTAAAGTTTACATGCGGCGAGATGCTCTTATTAACATGCGTCA 360
Qy      361 AGGCTGAAAACTGTATCTTTATTTTTCAGAAAAACATGTTCTGTTTGAAGAAAG 420
Db      361 AGGCTGAAAACTGTATCTTTATTTTTCAGAAAAACATGTTCTGTTTGAAGAAAG 420
Qy      421 ATTGTAATGCTGAGATTAACCGAATTTCTATCTGCTGCTGATCCAGAAATTAAGTTG 480
Db      421 ATTGTAATGCTGAGATTAACCGAATTTCTATCTGCTGCTGATCCAGAAATTAAGTTG 480
Qy      481 CTTACGAGAGGCTTCTAGTTCTGAGATGCAAGTTAGATGCAAGCAGTGAGAAATG 540
Db      481 CTTACGAGAGGCTTCTAGTTCTGAGATGCAAGTTAGATGCAAGCAGTGAGAAATG 540
Qy      541 AAGTCAAAAGTGGGCGCCATGCTGCTTCACTCAACCTTGTGTTATATGCTG 600
Db      541 AAGTCAAAAGTGGGCGCCATGCTGCTTCACTCAACCTTGTGTTATATGCTG 600
Qy      601 CAGTTGTAGAGAGACCTCTTCAAAATGATGATTTTCAAAAATTAACAAATTCAT 660
Db      601 CAGTTGTAGAGAGACCTCTTCAAAATGATGATTTTCAAAAATTAACAAATTCAT 660
Qy      661 CCGGATGCTPAACCTGACTTTTATATGATGATTAACAGAAAGAAATTAAGATGAA 720
Db      661 CCGGATGCTPAACCTGACTTTTATATGATGATTAACAGAAAGAAATTAAGATGAA 720
Qy      721 AAGTTATTTTGGTTTCAATGAAAGAAATGCAATCAAAATCTGATGCTATAGTTG 780
Db      721 AAGTTATTTTGGTTTCAATGAAAGAAATGCAATCAAAATCTGATGCTATAGTTG 780
Qy      781 GAGAACCTGTGTGAAATCCATCTTATAGCAATCTAAGGCAAAACATGAAAGCCTTATC 840
Db      781 GAGAACCTGTGTGAAATCCATCTTATAGCAATCTAAGGCAAAACATGAAAGCCTTATC 840
Qy      841 CTAATTTTGGCCACAGTACCTTCAGTGTGCGCACTTTAACAATTCGATTTTACCGT 900
Db      841 CTAATTTTGGCCACAGTACCTTCAGTGTGCGCACTTTAACAATTCGATTTTACCGT 900
Qy      901 AGCAATCCAGAACAGATTATGAAATTCACAAATCAAAAGTTTGCACAGAAATTCGAAAG 960
Db      901 AGCAATCCAGAACAGATTATGAAATTCACAAATCAAAAGTTTGCACAGAAATTCGAAAG 960
Qy      961 CACTGATGCTTCAAGCCAGGTTATGGAATATGCAACTGATGATTAATCATGATCG 1017
Db      961 CACTGATGCTTCAAGCCAGGTTATGGAATATGCAACTGATGATTAATCATGATCG 1017

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RESULT 2

US-10-785-135-3

Sequence 3, Application US/10785135

Publication No. US20040142375A1

GENERAL INFORMATION:

APPLICANT: Meyers, Rachel

APPLICANT: Rudolph-Owen, Laura

TITLE OF INVENTION: 26934, A Novel Cytidine Deaminase-Like

FILE REFERENCE: 35800/213921

CURRENT APPLICATION NUMBER: US/10/785,135

PRIOR FILING DATE: 2004-02-24

PRIOR APPLICATION NUMBER: US/09/802,371

PRIOR FILING DATE: 2001-03-09

PRIOR APPLICATION NUMBER: 60/188,294

NUMBER OF SEQ ID NOS: 4

SOFTWARE: FastSeq for Windows Version 4.0

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; SEQ ID NO 3
; LENGTH: 1017
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-785-135-3

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Query Match      100.0%; Score 1017; DB 8; Length 1017;
Best Local Similarity 100.0%; Pred. No. 4,56-250;
Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 ATGAAAGAGAGCTGGCAGATGCAAAATCTGAGAGCGGAGGCGGCGTCACTCAGC 60
Qy      61 ACCGAGCTGGCAGATGACCGGTCAGATACCAAGCTTTCTAAATCAACCTTTCACT 120
Db      61 ACCGAGCTGGCAGATGACCGGTCAGATACCAAGCTTTCTAAATCAACCTTTCACT 120
Qy      121 CTGCTCAGCTCTGATGAGAGCTTTTCCAGAGAAAGCCAGCGGCAAAATCTCAGAA 180
Db      121 CTGCTCAGCTCTGATGAGAGCTTTTCCAGAGAAAGCCAGCGGCAAAATCTCAGAA 180
Qy      181 AATGAAAGGAGAAAGCATGGAACCTTAGAGATATGAAAGAGAGACAGATATCTACT 240
Db      181 AATGAAAGGAGAAAGCATGGAACCTTAGAGATATGAAAGAGAGACAGATATCTACT 240
Qy      241 GACAAAAGACAGGTAAAGAGAACTGGTCTTGTGTGTAAGAAACATGAAATTTGGT 300
Db      241 GACAAAAGACAGGTAAAGAGAACTGGTCTTGTGTGTAAGAAACATGAAATTTGGT 300
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Db      301 CTCCTACTGTTTGAAGATTTACATGCCGCGGAGATTCCTCTTATTAACATGGGTCA 360
Qy      361 AGGCTGAAAACTGTATCTTTATTTTTCAGAAAAACATGTTCTGCTTGTGAAGAAAG 420
Db      361 AGGCTGAAAACTGTATCTTTATTTTTCAGAAAAACATGTTCTGCTTGTGAAGAAAG 420
Qy      421 ATTGTAATGCTGAGATTAACCGAATTTCTATCTGCTGCTGATCCAGAAATTAAGTTG 480
Db      421 ATTGTAATGCTGAGATTAACCGAATTTCTATCTGCTGCTGATCCAGAAATTAAGTTG 480
Qy      481 CTTACGAGGCTTCTAGTTCTGAGATGCAAGTTAGATGCAAGCAGTGAGAAATG 540
Db      481 CTTACGAGGCTTCTAGTTCTGAGATGCAAGTTAGATGCAAGCAGTGAGAAATG 540
Qy      541 AAGTCAAAAGTGGGCGCCATGCTGCTTCACTCAACCTTGTGTTATATGCTG 600
Db      541 AAGTCAAAAGTGGGCGCCATGCTGCTTCACTCAACCTTGTGTTATATGCTG 600
Qy      601 CAGTTGTAGAGAGACCTCTTACAAATGTAATCTTATTCAAAAATTAACAAATTCAT 660
Db      601 CAGTTGTAGAGAGACCTCTTACAAATGTAATCTTATTCAAAAATTAACAAATTCAT 660
Qy      661 CCGGATGCTPAACCTGACTTTTATATGATGATTAACAGAAAGAAATTAAGATGAA 720
Db      661 CCGGATGCTPAACCTGACTTTTATATGATGATTAACAGAAAGAAATTAAGATGAA 720
Qy      721 AAGTTATTTTGGTTTCAATGAAAGAAATGCAATCAAAATCTGATGCTATAGTTG 780
Db      721 AAGTTATTTTGGTTTCAATGAAAGAAATGCAATCAAAATCTGATGCTATAGTTG 780
Qy      781 GAGAACCTGTGTGAAATCCATCTTATAGCAATCTAAGGCAAAACATGAAAGCCTTATC 840
Db      781 GAGAACCTGTGTGAAATCCATCTTATAGCAATCTAAGGCAAAACATGAAAGCCTTATC 840
Qy      841 CTAATTTTGGCCACAGTACCTTCAGTGTGCGCACTTTAACAATTCGATTTTACCGT 900
Db      841 CTAATTTTGGCCACAGTACCTTCAGTGTGCGCACTTTAACAATTCGATTTTACCGT 900
Qy      901 AGCAATCCAGAACAGATTATGAAATTCACAAATCAAAAGTTTGCACAGAAATTCGAAAG 960
Db      901 AGCAATCCAGAACAGATTATGAAATTCACAAATCAAAAGTTTGCACAGAAATTCGAAAG 960

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QY 961 CACTGCATGTTGAGCCGAGCTTATTGGCATATCGAATGCTGATTAATAGATCG 1017
 DB 961 CACTGCATGTTGAGCCGAGCTTATTGGCATATCGAATGCTGATTAATAGATCG 1017

RESULT 3 US-09-802-371-1

/ Sequence 1, Application US/09802371
 / Patent No. US20010036649A1
 / GENERAL INFORMATION:
 / APPLICANT: Meyers, Rachel
 / APPLICANT: Rudolph-Owen, Laura
 / TITLE OF INVENTION: 26934, A No. US20010036649A1 Cytidine Deaminase-Like
 / TITLE OF INVENTION: Molecule and Uses Thereof
 / FILE REFERENCE: 35800/213921
 / CURRENT APPLICATION NUMBER: US/09/802,371
 / PRIOR FILING DATE: 2001-03-09
 / PRIOR APPLICATION NUMBER: 60/188,294
 / NUMBER OF SEQ ID NOS: 4
 / SOFTWARE: FastSeq for Windows Version 4.0
 / SEQ ID NO 1
 / LENGTH: 1585
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: CDS
 / LOCATION: (149) ... (1165)
 / NAME/KEY: misc_feature
 / LOCATION: (1) ... (1585)
 / OTHER INFORMATION: n = A,T,C or G
 / US-09-802-371-1

Query Match 100.0%; Score 1017; DB 3; Length 1585;
 Best Local Similarity 100.0%; Pred. No. 5.8e-250;
 Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 60
 DB 149 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 208
 QY 61 ACCGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 120
 DB 209 ACCGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 268
 QY 121 CTGCTGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 180
 DB 269 CTGCTGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 328
 QY 181 AATGAGAGGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 240
 DB 329 AATGAGAGGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 388
 QY 241 GACAAAAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 300
 DB 389 GACAAAAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 448
 QY 301 CTGCAATGTTGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 360
 DB 449 CTGCAATGTTGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 508
 QY 361 AGGCTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 420
 DB 509 AGGCTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 568
 QY 421 ATGTTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 480
 DB 569 ATGTTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 628
 QY 481 CTGAGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 540
 DB 629 CTGAGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 688

QY 541 AAGTCAAAAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 600
 DB 689 AAGTCAAAAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 748
 QY 601 CAGTTTGTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 660
 DB 749 CAGTTTGTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 808
 QY 661 CCGAGTGTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 720
 DB 809 CCGAGTGTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 868
 QY 721 AAGTTTGTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 780
 DB 869 AAGTTTGTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 928
 QY 781 GAGAACTGTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 840
 DB 929 GAGAACTGTGAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 988
 QY 841 CTACTTTGGCCAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 900
 DB 989 CTACTTTGGCCAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 1048
 QY 901 AGCAATCCAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 960
 DB 1049 AGCAATCCAGAGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 1108
 QY 961 CACTGCATGTTGAGCCGAGCTTATTGGCATATCGAATGCTGATTAATAGATCG 1017
 DB 1109 CACTGCATGTTGAGCCGAGCTTATTGGCATATCGAATGCTGATTAATAGATCG 1165

RESULT 4 US-10-785-135-1

/ Sequence 1, Application US/10785135
 / Publication No. US20040142375A1
 / GENERAL INFORMATION:
 / APPLICANT: Meyers, Rachel
 / APPLICANT: Rudolph-Owen, Laura
 / TITLE OF INVENTION: 26934, A Novel Cytidine Deaminase-Like
 / TITLE OF INVENTION: Molecule and Uses Thereof
 / FILE REFERENCE: 35800/213921
 / CURRENT APPLICATION NUMBER: US/10/785,135
 / PRIOR FILING DATE: 2004-02-24
 / PRIOR APPLICATION NUMBER: US/09/802,371
 / PRIOR FILING DATE: 2001-03-09
 / PRIOR APPLICATION NUMBER: 60/188,294
 / NUMBER OF SEQ ID NOS: 4
 / SOFTWARE: FastSeq for Windows Version 4.0
 / SEQ ID NO 1
 / LENGTH: 1585
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: CDS
 / LOCATION: (149) ... (1165)
 / NAME/KEY: misc_feature
 / LOCATION: (1) ... (1585)
 / OTHER INFORMATION: n = A,T,C or G
 / US-10-785-135-1

Query Match 100.0%; Score 1017; DB 8; Length 1585;
 Best Local Similarity 100.0%; Pred. No. 5.8e-250;
 Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 60
 DB 149 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTGAGTCAGC 208

QY 952 ATTGCAAGGCACTGATGCTTCAAGCCAGATTATGGCATATCGAATCTGTGA 1004
DB 601 ATTGCAAGGCACTGATGCTTCAAGCCAGATTATGGCATATCGAATCTGTGA 653

RESULT 6

US-10-481-613-1
Sequence 1, Application US/10481613
Publication No. US20050085627A1
GENERAL INFORMATION:
APPLICANT: Zhang, Youming
APPLICANT: Moffatt, Miriam
APPLICANT: Cookson, William
APPLICANT: Timbley, Jon
TITLE OF INVENTION: Atopy
FILE REFERENCE: 16721-0003US1 / P32688MO/KYC
CURRENT APPLICATION NUMBER: US/10/481,613
CURRENT FILING DATE: 2003-12-19
PRIOR APPLICATION NUMBER: PCT/GB02/02859
PRIOR FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: GB 0115211.5
PRIOR FILING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: GB 0115212.3
PRIOR FILING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: GB 0115213.1
NUMBER OF SEQ ID NOS: 326
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 410846
TYPE: DNA
ORGANISM: Homo sapiens
US-10-481-613-1

Query Match 57.8%; Score 588; DB 10; Length 410846;

Best Local Similarity 100.0%; Pred. No. 1.4e-138; Mismatches 0; Indels 0; Gaps 0;

Matches 588; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 430 GCTGAGATTACCGAATTCATCTGCTGCTGATCCGAAATTAAGTTGCTTACGAG 489
DB 85167 GCTGAGATTACCGAATTCATCTGCTGCTGATCCGAAATTAAGTTGCTTACGAG 85226
QY 490 GCTTCTAGTTCTGAAGATCTAAAGTTAGTCCAAAGCAGTGGAAAGATTGAAGTCAAC 549
DB 85227 GCTTCTAGTTCTGAAGATCTAAAGTTAGTCCAAAGCAGTGGAAAGATTGAAGTCAAC 85286
QY 550 AGTGGGGCCCATGTGTGCTTCAACCTTGGTGTATATGATGTCAGTTTGA 609
DB 85287 AGTGGGGCCCATGTGTGCTTCAACCTTGGTGTATATGATGTCAGTTTGA 85346
QY 610 GAGGAGACCTCTTACCAATGTGACTTATTCAAAAAATTACAAAAAATTGCGGATGCT 669
DB 85347 GAGGAGACCTCTTACCAATGTGACTTATTCAAAAAATTACAAAAAATTGCGGATGCT 85406
QY 670 AACCTGACTTTTATATGAATGTAAACAAGAAAGATTAAGATTAAGATTTATTT 729
DB 85407 AACCTGACTTTTATATGAATGTAAACAAGAAAGATTAAGATTAAGATTTATTT 85466
QY 730 TTGGTTTCAATGAAGAAATGATAGCAAAATCTATAGTATGTTGGAAGAACTG 789
DB 85467 TTGGTTTCAATGAAGAAATGATAGCAAAATCTATAGTATGTTGGAAGAACTG 85526
QY 790 TGTGAAATTCATCTTATGCAATCTTAAGCAAAAATGAAAGACTTATCTTACTTTTG 849
DB 85527 TGTGAAATTCATCTTATGCAATCTTAAGCAAAAATGAAAGACTTATCTTACTTTTG 85586
QY 850 GCCAAGATGCTTCAAGTGTGCGAACTTAAACCTTGGATTTTACCGTGAATCA 909
DB 85587 GCCAAGATGCTTCAAGTGTGCGAACTTAAACCTTGGATTTTACCGTGAATCA 85646
QY 910 GAACAGATTATGAATTCACATCAAAAGTTTGCAAGAAATTCGAAGCACTGCAATG 969
DB 910 GAACAGATTATGAATTCACATCAAAAGTTTGCAAGAAATTCGAAGCACTGCAATG 969

DB 85647 GACAGATTATGAATTCACATCAAAAGTTTGCCACAGAAATTCGAAGCACTGCAATG 85706
QY 970 GTTCAGGCGCAGATTATTCGATATCGAATCTGTGATTAACATGATG 1017
DB 85707 GTTCAGGCGCAGATTATTCGATATCGAATCTGTGATTAACATGATG 85754

RESULT 7

US-10-475-075-601
Sequence 601, Application US/10475075
Publication No. US20060053498A1
GENERAL INFORMATION:
APPLICANT: Bejani, Stephane
APPLICANT: Tanaka, Hiroaki
APPLICANT: Dumas, Milne Edwards, Jean-Baptiste
APPLICANT: Joubert, Severin
APPLICANT: Giordano, Jean-Yves
TITLE OF INVENTION: Full-length human CDNA encoding potentially secreted proteins
FILE REFERENCE: G-081US03PCT
CURRENT APPLICATION NUMBER: US/10/475,075
CURRENT FILING DATE: 2003-10-17
PRIOR APPLICATION NUMBER: PCT/IB01/00914
PRIOR FILING DATE: 2001-04-18
NUMBER OF SEQ ID NOS: 918
SOFTWARE: Patent.pm
SEQ ID NO 601
LENGTH: 529
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 124..528
FEATURE:
NAME/KEY: Unsure
LOCATION: 145..147
OTHER INFORMATION: Xaa = Glu or Gly
FEATURE:
NAME/KEY: Unsure
LOCATION: 310..312
OTHER INFORMATION: Xaa = Glu or Gly
FEATURE:
NAME/KEY: Unsure
LOCATION: 520..522
OTHER INFORMATION: Xaa = His or Pro
US-10-475-075-601

Query Match 38.9%; Score 395.2; DB 11; Length 529;

Best Local Similarity 99.0%; Pred. No. 1.3e-90; Mismatches 1; Indels 0; Gaps 0;

Matches 394; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAAGAAGCTGGGCGATGCAAAATCTGAGAGCGGAGGCGGCGGTCACTCAGC 60
DB 124 ATGAAGAAGCTGGGCGATGCAAAATCTGAGAGCGGAGGCGGCGGTCACTCAGC 183
QY 61 ACCGAGCTGGGCGATGACCGGTCAATCAAGGCTTTCTAAAGTCAACCTTTTCACT 120
DB 184 ACCGAGCTGGGCGATGACCGGTCAATCAAGGCTTTCTAAAGTCAACCTTTTCACT 243
QY 121 CTGCTCAGCTCTGGATGAGCTCTTTCAGCAGAAAGCCAGCGGCAAAAATCTCAGAA 180
DB 244 CTGCTCAGCTCTGGATGAGCTCTTTCAGCAGAAAGCCAGCGGCAAAAATCTCAGAA 303
QY 181 AATGAGAGGAAAGCATGACCTTTAGAGATATGAAGAGAGACCAAGATATCTACT 240
DB 304 AATGAGAGGAAAGCATGACCTTTAGAGATATGAAGAGAGACCAAGATATCTACT 363
QY 241 GACAAAAGACAGTAAAGAGAGTGTCTGTGTGTGAAGAAACATGAAATTTGTGGT 300
DB 364 GACAAAAGACAGTAAAGAGAGTGTCTGTGTGTGAAGAAACATGAAATTTGTGGT 423
QY 301 CTCACATGTTCTAGTGAAGATTTCATGCGGGGAGATGCTCTTATTTAAACATGGTCA 360
DB 424 CTCACATGTTCTAGTGAAGATTTCATGCGGGGAGATGCTCTTATTTAAACATGGTCA 483

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 25
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (1248)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1389)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1391)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1393)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1396)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1551)
OTHER INFORMATION: n equals a,t,g, or c
US-09-983-802-25

Query Match 28.9%; Score 294; DB 3; Length 1555;
Best Local Similarity 95.2%; Pred. No. 2,2e-64;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 412 TTGAATGATGTTGAATGCTGAGATTAACCAATTTCACTGCGCTGATCCAGAA 471
DB 1209 TTTTATGATGATGAAGAGCTGAGATGACCAATTTCACTGCGCTGATCCAGAA 1268
QY 472 ATAAAGTTGCTTACGAGAGCTTCTAGTTCTGAAGATGCAAGTAAAGTCAAGAGAGTG 531
DB 1269 ATAAAGTTGCTTACGAGAGCTTCTAGTTCTGAAGATGCAAGTAAAGTCAAGAGAGTG 1328
QY 532 GAAAGTTGAAGTCAAAAGTGGGCGCCATGCTGCTTACTTCAACCTTGGTGTGT 591
DB 1329 GAAAGTTGAAGTCAAAAGTGGGCGCCATGCTGCTTACTTCAACCTTGGTGTGT 1388
QY 592 TATATGTCAGATTTGAGAGGAGACCTCTTACAAATGACCTTATCAAAAATTACA 651
DB 1389 NANANGGACAGTTTGTAGAGGAGACCTCTTACAAATGACCTTATCAAAAATTACA 1448
QY 652 AAAACATGCGGATGCTAACTGACTTTATATGATGATGAACAGAAAGATPAAA 711
DB 1449 AAAACATGCGGATGCTAACTGACTTTATATGATGATGAACAGAAAGATPAAA 1508
QY 712 GAATATGAATGTTA 726
DB 1509 GAATATGAATGTTA 1523

RESULT 10
US-09-984-490-25
Sequence 25, Application US/09984490
Publication No. US20030064412A1
GENERAL INFORMATION:
APPLICANT: Fischer et al.
TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: P2010P1
CURRENT APPLICATION NUMBER: US/09/984,490
PRIOR FILING DATE: 2001-10-30
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/227,357
PRIOR FILING DATE: EARLIER FILING DATE: 1999-01-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCR/US98/13684
PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,926

PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,793
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,925
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,929
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,803
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,732
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,931
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,932
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,916
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,930
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,918
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,920
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,733
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,795
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,919
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,928
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,722
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,723
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,948
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,949
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,953
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,950
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,947
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,964
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/056,360
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,684
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,984
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,954
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,785
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,664
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,660
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 25
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (1248)
OTHER INFORMATION: n equals a,t,g, or c

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? NAME/KEY: SITE
? LOCATION: (1389)
? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE
? LOCATION: (1391)
? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE
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? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE
? LOCATION: (1396)
? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE
? LOCATION: (1551)
? OTHER INFORMATION: n equals a,t,g, or c
? OTHER INFORMATION: n equals a,t,g, or c
JS-09-984-490-25

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Query Match	28.9%;	Score 294;	DB 3;	Length 155;
Best Local Similarity	95.2%;	Pred. No. 2.2e-64;		
Matches 300;	Conservative 0;	Mismatches 15;	Indels 0;	Gaps 0;

[illegible]

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RESULT 11.
US-09-973-278-37
Sequence 37, Application US/05973278
Publication No. US2004004191A1
GENERAL INFORMATION:
Applicant: Fischer et al.
TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: P201092
CURRENT APPLICATION NUMBER: US/09/973,278
CURRENT FILING DATE: 2001-10-10
PRIORITY APPLICATION NUMBER: 60/239,899
PRIORITY FILING DATE: 2000-10-13
PRIORITY APPLICATION NUMBER: 09/1227,357
PRIORITY FILING DATE: 1999-01-08
PRIORITY APPLICATION NUMBER: ECT/US98/13684
PRIORITY FILING DATE: 1998-07-07
PRIORITY APPLICATION NUMBER: 60/051,926
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/052,793
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/051,925
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/051,929
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/052,803
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/052,732

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PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/051,931
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/051,932
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/051,916
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/051,930
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/051,918
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/051,920
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/052,733
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/052,795
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/051,919
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/051,928
PRIORITY FILING DATE: 1997-07-08
PRIORITY APPLICATION NUMBER: 60/055,722
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/055,723
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/055,948
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/055,949
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/055,953
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/055,950
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/055,947
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/055,964
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/056,360
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/055,684
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/055,984
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/055,954
PRIORITY FILING DATE: 1997-08-18
PRIORITY APPLICATION NUMBER: 60/058,785
PRIORITY FILING DATE: 1997-09-12
PRIORITY APPLICATION NUMBER: 60/058,664
PRIORITY FILING DATE: 1997-09-12
PRIORITY APPLICATION NUMBER: 60/058,660
PRIORITY FILING DATE: 1997-09-12
PRIORITY APPLICATION NUMBER: 60/058,661
PRIORITY FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 947
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 37
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1248)..(1248)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1389)..(1389)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1391)..(1391)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1393)..(1393)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature

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LOCATION: (1396)..(1396)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1551)..(1551)
OTHER INFORMATION: n equals a,t,g, or c
US-09-973-278-37

Query Match 28.9%; Score 294; DB 3; Length 1555;
Best Local Similarity 95.2%; Pred. No. 2.2e-64;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 412 TTGAAATGATGTAATGCTGAGTAAACGAATTTATATCTGGCCGCTGATCCAGAA 471
DB 1209 TTTTAAATGATGTAATGCTGAGTAAACGAATTTATATCTGGCCGCTGATCCAGAA 1268
QY 472 ATAAAGTTGCTTACGAGAGGCTTCTAGTCTGAAGTGAAGTGAATGATCCAAAGCAGTG 531
DB 1269 ATAAAGTTGCTTACGAGAGGCTTCTAGTCTGAAGTGAAGTGAATGATCCAAAGCAGTG 1328
QY 532 GAAAGATTGAAGTCAACAGTCGAGGCCCATGTGTGTCTTACTTCAACCTTTGGTGTGT 591
DB 1329 GAAAGATTGAAGTCAACAGTCGAGGCCCATGTGTGTCTTACTTCAACCTTTGGTGTGT 1388
QY 592 TATATGTCGAGTTGTGAGAGAGCCTTACAAATGTGACTTATTCAAAAATTACA 651
DB 1389 NANANGGAGAGTTGTGAGAGAGCCTTACAAATGTGACTTATTCAAAAATTACA 1448
QY 652 AAAACATTGCCGAGTGTACACTGACTTTATTTATGAAATGAACAGAAAGATATAA 711
DB 1449 AAAACATTGCCGAGTGTACACTGACTTTATTTATGAAATGAACAGAAAGATATAA 1508
QY 712 GAATATGAATGTGA 726
DB 1509 GAATATGAATGTGA 1523

RESULT 12
US-10-472-533-83
Sequence 83, Application US/10472533
Publication No. US20050197285A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Human Secreted Proteins
FILE REFERENCE: PS906PCT
CURRENT APPLICATION NUMBER: US/10/472,533
CURRENT FILING DATE: 2003-09-20
PRIOR APPLICATION NUMBER: US 60/331,287
PRIOR FILING DATE: 2001-11-13
PRIOR APPLICATION NUMBER: US 60/306,171
PRIOR FILING DATE: 2001-07-19
PRIOR APPLICATION NUMBER: US 60/277,340
PRIOR FILING DATE: 2001-03-21
NUMBER OF SEQ ID NOS: 650
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 83
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1248)..(1248)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1385)..(1389)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1391)..(1391)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1393)..(1393)

OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1396)..(1396)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1551)..(1551)
OTHER INFORMATION: n equals a,t,g, or c
US-10-472-533-83

Query Match 28.9%; Score 294; DB 10; Length 1555;
Best Local Similarity 95.2%; Pred. No. 2.2e-64;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 412 TTGAAATGATGTAATGCTGAGTAAACGAATTTATATCTGGCCGCTGATCCAGAA 471
DB 1209 TTTTAAATGATGTAATGCTGAGTAAACGAATTTATATCTGGCCGCTGATCCAGAA 1268
QY 472 ATAAAGTTGCTTACGAGAGGCTTCTAGTCTGAAGTGAAGTGAATGATCCAAAGCAGTG 531
DB 1269 ATAAAGTTGCTTACGAGAGGCTTCTAGTCTGAAGTGAAGTGAATGATCCAAAGCAGTG 1328
QY 532 GAAAGATTGAAGTCAACAGTCGAGGCCCATGTGTGTCTTACTTCAACCTTTGGTGTGT 591
DB 1329 GAAAGATTGAAGTCAACAGTCGAGGCCCATGTGTGTCTTACTTCAACCTTTGGTGTGT 1388
QY 592 TATATGTCGAGTTGTGAGAGAGCCTTACAAATGTGACTTATTCAAAAATTACA 651
DB 1389 NANANGGAGAGTTGTGAGAGAGCCTTACAAATGTGACTTATTCAAAAATTACA 1448
QY 652 AAAACATTGCCGAGTGTACACTGACTTTATTTATGAAATGAACAGAAAGATATAA 711
DB 1449 AAAACATTGCCGAGTGTACACTGACTTTATTTATGAAATGAACAGAAAGATATAA 1508
QY 712 GAATATGAATGTGA 726
DB 1509 GAATATGAATGTGA 1523

RESULT 13
US-09-969-034-951
Sequence 951, Application US/09969034
Publication No. US2004011066A1
GENERAL INFORMATION:
APPLICANT: Burgees, Christopher C.
APPLICANT: Ascle, Jon H.
APPLICANT: Carroll, Eddie III
APPLICANT: Catino, Theodore J.
APPLICANT: Dwyer, Poornima
APPLICANT: Molino, Gary A.
APPLICANT: Thilagalingam, Arunthathi
APPLICANT: Lewis, Marcia B.
TITLE OF INVENTION: Nucleic Acid Sequences Differentially
Expressed in Cancer Tissue
FILE REFERENCE: 1657/1032
CURRENT APPLICATION NUMBER: US/09/969,034
CURRENT FILING DATE: 2001-10-02
PRIOR APPLICATION NUMBER: 60/237,271
PRIOR FILING DATE: 2000-02-10
NUMBER OF SEQ ID NOS: 4494
SOFTWARE: PatsSeq for Windows Version 4.0
SEQ ID NO 951
LENGTH: 562
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 264, 348, 367, 413, 419, 422, 431, 450, 470, 500, 502, 508,
LOCATION: 517
OTHER INFORMATION: n = A,T,C or G
US-09-969-034-951

Query Match 25.0%; Score 254; DB 3; Length 562;
 Best Local Similarity 87.1%; Pred. No. 2.4e-54;
 Matches 377; Conservative 0; Mismatches 41; Indels 15; Gaps 9;

QY 1 ATGAAAGAGCTGGGACATGCAAAATCTGGAGACCGGAGGGCCGGCGGCTCATCAGC 60
 DB 111 ATGAAAGAGCTGGGACATGCAAAATCTGGAGACCGGAGGGCCGGCGGCTCATCAGC 170
 QY 61 ACCGACCTGGGACATGCAAAATCTGGAGACCGGAGGGCCGGCGGCTCATCAGC 120
 DB 171 ACCGACCTGGGACATGCAAAATCTGGAGACCGGAGGGCCGGCGGCTCATCAGC 230
 QY 121 CTGCTCAGCTCTGGATGGAGCTCTTTCCAGCAGAGCCGCGCAAAATCTCAGAA 180
 DB 231 CTGCTCAGCTCTGGATGGAGCTCTTTCCAGCAGAGCCGCGCAAAATCTCAGAA 290
 QY 181 AATGAGAG--GGGAAAGCATGACCCCTTGAAGATTAAGAA--GAGAGACGAGATATC 236
 DB 291 AATGAGAGAGGAAAGCATGACCCCTTGAAGATTAAGAAAGAGAGACCCAGATATC 350
 QY 237 TACTGAC-AAAAGACAGGTAAAG-AGAACTGGCTTGTGT-GGTGAAATCATGAAAT 293
 DB 351 TACTGACAAAAGACAGGTAAAGAAATCTGCTTGTGTGTGAGGAGGAAATCATTAAT 410
 QY 294 TGT-TGGTCTCCACTGTTCT-AGTGAAGATTTACATGCCGGGAGATTGCTTTATTA 351
 DB 411 TGTGTGGTGTGACACTGTTCTTNAAGTAAATTTACATTCGAGGCAATGCTTTTATN 470
 QY 352 CA-----TGGGCAAGGCTGAAATCTGTGATCTTTA-TTTTCCAGAAACATGTTCT 405
 DB 471 AAACATGGGGTTAAAGGGCTGAAATCTGTNACTTTATTTTCCAAAACCATGTTT 530
 QY 406 GCTTGTGAAAA 418
 DB 531 GCTTGTGTTGAAA 543

RESULT 14

US-10-242-535A-37272
 ; Sequence 37272, Application US/10242535A
 ; Publication No. US20040013663A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ChondroGene Inc.
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
 ; FILE REFERENCE: 4231/2005
 ; CURRENT APPLICATION NUMBER: US/10/242,535A
 ; CURRENT FILING DATE: 2002-09-12
 ; PRIOR APPLICATION NUMBER: US 10/085,783
 ; PRIOR FILING DATE: 2002-02-28
 ; PRIOR APPLICATION NUMBER: US 60/305,340
 ; PRIOR FILING DATE: 2001-07-13
 ; PRIOR APPLICATION NUMBER: US 60/275,017
 ; PRIOR FILING DATE: 2001-03-12
 ; PRIOR APPLICATION NUMBER: US 60/271,955
 ; PRIOR FILING DATE: 2001-02-28
 ; NUMBER OF SEQ ID NOS: 58994
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 37272
 ; LENGTH: 218
 ; TYPE: DNA
 ; ORGANISM: Human
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (20)-(20)
 ; OTHER INFORMATION: n is a, c, g, or t
 US-10-242-535A-37272

Query Match 21.3%; Score 217; DB 8; Length 218;
 Best Local Similarity 99.5%; Pred. No. 4.5e-45;
 Matches 217; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 508 GCAAGTTAGATGCCAAAGCAGTGAAGAAATTGAAGTCAAAACAGTCGGGCCCATGTGTGT 567

DB 1 GCAAGTTAGATGCCAAAGCAGTGAAGAAATTGAAGTCAAAACAGTCGGGCCCATGTGTGT 60
 QY 568 GTCTTACTTCAACCTTGGTGTGTATATGATGAGTGTGAGAGAGACCTTTACAA 627
 DB 61 GTCTTACTTCAACCTTGGTGTGTATATGATGAGTGTGAGAGAGACCTTTACAA 120
 QY 628 TGTGACTTTATTCAAAAATTACAAAAATTCGCGGATGCTAACACTGACTTTATAT 687
 DB 121 TGTGACTTTATTCAAAAATTACAAAAATTCGCGGATGCTAACACTGACTTTATAT 180
 QY 688 GAATGTAAACAGAAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGAT 725
 DB 181 GAATGTAAACAGAAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGAT 218

RESULT 15

US-10-085-783A-37272
 ; Sequence 37272, Application US/10085783A
 ; Publication No. US20040037841A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ChondroGene Inc.
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
 ; FILE REFERENCE: 4231/2002
 ; CURRENT APPLICATION NUMBER: US/10/085,783A
 ; CURRENT FILING DATE: 2002-02-28
 ; PRIOR APPLICATION NUMBER: US 60/305,340
 ; PRIOR FILING DATE: 2001-07-13
 ; PRIOR APPLICATION NUMBER: US 60/275,017
 ; PRIOR FILING DATE: 2001-03-12
 ; PRIOR APPLICATION NUMBER: US 60/271,955
 ; PRIOR FILING DATE: 2001-02-28
 ; NUMBER OF SEQ ID NOS: 58994
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 37272
 ; LENGTH: 218
 ; TYPE: DNA
 ; ORGANISM: Human
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (20)-(20)
 ; OTHER INFORMATION: n is a, c, g, or t
 US-10-085-783A-37272

Query Match 21.3%; Score 217; DB 8; Length 218;
 Best Local Similarity 99.5%; Pred. No. 4.5e-45;
 Matches 217; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 508 GCAAGTTAGATGCCAAAGCAGTGAAGAAATTGAAGTCAAAACAGTCGGGCCCATGTGTGT 567
 DB 1 GCAAGTTAGATGCCAAAGCAGTGAAGAAATTGAAGTCAAAACAGTCGGGCCCATGTGTGT 60
 QY 568 GTCTTACTTCAACCTTGGTGTGTATATGATGAGTGTGAGAGAGACCTTTACAA 627
 DB 61 GTCTTACTTCAACCTTGGTGTGTATATGATGAGTGTGAGAGAGACCTTTACAA 120
 QY 628 TGTGACTTTATTCAAAAATTACAAAAATTCGCGGATGCTAACACTGACTTTATAT 687
 DB 121 TGTGACTTTATTCAAAAATTACAAAAATTCGCGGATGCTAACACTGACTTTATAT 180
 QY 688 GAATGTAAACAGAAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGAT 725
 DB 181 GAATGTAAACAGAAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGAT 218

Search completed: September 20, 2006, 04:44:19
 Job time : 1441.6 secs